



No. 28  
12 JULY 2003



UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Imagery and Mapping Agency

Prepared Jointly with the  
National Ocean Service and U.S. Coast Guard

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**Visit the Maritime Safety Information Division website at**  
**<http://pollux.nss.nima.mil/>**



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## IMPORTANT INFORMATION

The Notice to Mariners is published by the National Imagery and Mapping Agency (NIMA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NIMA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other products produced by the National Imagery and Mapping Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Transportation), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NIMA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use [NavNotices@nima.mil](mailto:NavNotices@nima.mil), for information affecting Sailing Directions and all other navigational publications use [SDPUBS@nima.mil](mailto:SDPUBS@nima.mil), for information concerning the Maritime Safety Information Website, use [webmaster\\_nss@nima.mil](mailto:webmaster_nss@nima.mil).

Mariners are requested to notify NIMA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated.

**Cover Photo:** The **USS KEARSARGE (LHD-3)** is the third in a series of seven *WASP* class multipurpose amphibious assault ships built by Ingalls Shipbuilding in Pascagoula, MS. **KEARSARGE** is the fourth ship to bear this name, with an historical lineage that dates back to the Civil War. Hers is one of only two names that Congress has mandated the US Navy will always have a ship named. Her principal mission is to embark, deploy, land and support a Marine landing force. The ship is specifically designed to accommodate Air Cushion Landing Craft (LCAC) for fast troop movement over the beach, and AV-8B Harrier aircraft to provide close-in air support for the assault force. **KEARSARGE** can also carry as many as 26 Navy/USMC helicopters for troop movement, air support and Search and Rescue Operations. The ship's extensive medical facilities include six fully-equipped operating rooms and a 600-bed hospital for combat support, as well as for humanitarian missions during peacetime. Commissioned 16 October 1993, the **KEARSARGE** is 844 feet in length, has a beam of 110 feet, a draft of 28 feet and can accommodate a crew of 1,009 sailors and 73 officers. During her recent deployment in support of Operation Enduring/Iraqi Freedom, the **KEARSARGE** served as the flagship for Commander, Amphibious Task Force EAST, and carried more than 1,700 Marines from the Second Marine Expeditionary Brigade to the Northern Arabian Gulf. The homeport of the **KEARSARGE** is Norfolk, Virginia.

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

NM 28/03

# HYDROGRAM

**National Imagery and Mapping Agency  
Bethesda, MD 20816-5003**

SPECIAL  
ANNOUNCEMENTS  
\_\_\_\_\_

NEW PRODUCTS  
OR SERVICES  
\_\_\_\_\_

IMPORTANT  
CHANGES

**12 July 2003**

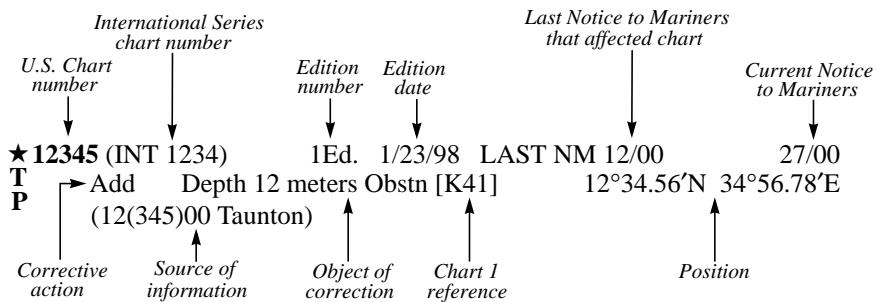
## **WARNING ON USE OF FLOATING AIDS**

THE PRUDENT MARINER WILL NOT RELY SOLELY ON ANY SINGLE AID TO NAVIGATION, PARTICULARLY ON FLOATING AIDS. SEE SECTION III.

## EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

**Section I-1** contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
  - T indicates that it is temporary in nature.
  - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter M is not a part of the chart number.
- The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2\*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NIMA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

**Section II-1** is a weekly listing of corrections to the NIMA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

**Section II-2\*** contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

**Section II-3\*** lists weekly updates to the USCG Light Lists.

**Section II-4\*** lists weekly updates to the NIMA List of Lights.

**Section II-5** lists all NIMA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

**Section III-1** lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

**Section III-2** contains miscellaneous information of particular interest to the maritime community.

\*The left-hand pages of these sections are intentionally blank.

**SECTION I  
CHART CORRECTIONS**

**NM 28/03**

<b>★1117A</b>	Ed. 4/03 NEW EDITION Platform [L10] (Previously published 23/03)	28/03 28°02.8'N 94°17.1'W	<b>★11506</b> 40Ed. 1/03 LAST NM 22/03 Add Tabulation of controlling depths from (NOS) Subsection I-2	28/03
Add	Wreck [K29] (PA) (Previously published 25/03)	27°48.9'N 96°34.3'W		
Add	Submerged well [L21.1] marked by buoy R. QR (Priv) (Previously published 26/03)	28°02.1'N 94°45.5'W		
Delete	Submerged well (cov 10fms) and buoy  Note: Platform close E remains (Previously published 27/03)	28°52.3'N 94°46.2'W		
Add	Platform [L10] (Previously published 27/03)	28°43.6'N 94°50.6'W	<b>★11519</b> 12Ed. 4/03 NEW EDITION (NOS)	28/03
<b>★11300</b>	39Ed. 4/03 NEW EDITION Platform [L10] (Previously published 23/03)	28/03 28°02.8'N 94°17.1'W	<b>11521</b> 26Ed. 2/02 LAST NM 24/03 Add Depth 40 feet Obstn [K41] (NOS)	28/03 32°45'03"N 79°51'23"W
Add	Wreck [K29] (PA) (Previously published 25/03)	27°48.9'N 96°34.3'W	<b>11523</b> 21Ed. 2/02 LAST NM 24/03 Delete Depth 57 feet	28/03 32°45'03"N 79°51'23"W
Add	Submerged well [L21.1] marked by buoy R. QR (Priv) (Previously published 26/03)	28°02.1'N 94°45.5'W	Add (NOS) Depth 40 feet Obstn [K41]	32°45'02.8" N 79°51'22.6" W
Delete	Submerged well (cov 10fms) and buoy  Note: Platform close E remains (Previously published 27/03)	28°52.3'N 94°46.2'W	<b>★11524</b> 46Ed. 12/02 LAST NM 22/03 Delete Depth 57 feet	28/03 32°45'03"N 79°51'23"W
Add	Platform [L10] (Previously published 27/03)	28°43.6'N 94°50.6'W	Add (NOS) Depth 40 feet Obstn [K41] Depth 16 feet Obstn [K41] Depth 28 feet Obstn [K41] Depth 39 feet Obstn [K41] Depth 28 feet Obstn [K41] Depth 27 feet Obstn [K41]	32°45'02.8" N 79°51'22.6" W 32°46'56.9" N 79°54'30.7" W 32°48'40.5" N 79°54'43.6" W 32°48'45.3" N 79°55'45.7" W 32°50'47.8" N 79°55'41.4" W 32°50'53.8" N 79°55'45.2" W
<b>★11478</b>	19Ed. 4/14/01 LAST NM 19/03 Change Legend to "WEST BASIN 28 1/2 FT APR 2003 (PROJECT DEPTH 31 FT)" 28°24'49.5" N 80°37'28.0" W Legend to "12 FT APR 2003" 28°24'33.5" N 80°37'04.0" W Legend to "15 FT APR 2003" 28°24'54.0" N 80°36'30.0" W Legend to "33 1/2 FT APR 2003 (PROJECT DEPTH 35 FT)" 28°24'52.0" N 80°36'31.5" W Legend to "MIDDLE BASIN 38 1/2 FT APR 2003 (PROJECT DEPTH 39 FT)" 28°24'43.0" N 80°36'32.0" W Legend to "31 FT APR 2003" 28°24'32.0" N 80°35'51.5" W Legend to "EAST BASIN 39 FT APR 2003 (PROJECT DEPTH 41 FT)" 28°25'06.0" N 80°35'44.0" W Legend to "37 1/2 FT APR 2003" 28°24'31.0" N 80°34'32.0" W (See 31/02, 19/03-11478)	28/03	<b>12205</b> 27Ed. 7/02 LAST NM 18/03 (Page A) Add Depth 62 feet Obstn [K41] (NOS)	28/03 36°56'30"N 75°58'05"W
Add	Depth 37 feet Depth 33 feet	28°25'02.3" N 80°35'37.9" W 28°24'52.7" N 80°37'41.4" W	<b>12206</b> 29Ed. 6/02 LAST NM 10/03 (Side A) Relocate Light "5" from 36°51'30" N 76°20'02" W to 36°51'34" N 76°20'00" W (See 38/02-12206) (21/03 CG5)	28/03
	Tabulation of controlling depths from Subsection I-2 (NOS)			
<b>11481</b>	4Ed. 8/02 LAST NM 19/03 Change Legend to "WEST BASIN 28 1/2 FT APR 2003 (PROJECT DEPTH 31 FT)" 28°24'50" N 80°37'29" W Legend to "12 FT APR 2003" 28°24'33" N 80°37'08" W Legend to "15 FT APR 2003" 28°24'54" N 80°36'31" W Legend to "33 1/2 FT APR 2003 (PROJECT DEPTH 35 FT)" 28°24'48" N 80°36'30" W Legend to "MIDDLE BASIN 38 1/2 FT APR 2003 (PROJECT DEPTH 39 FT)" 28°24'43" N 80°36'30" W Legend to "31 FT APR 2003" 28°24'32" N 80°35'50" W Legend to "EAST BASIN 39 FT APR 2003 (PROJ DEP 41 FT)" 28°25'06" N 80°35'44" W Legend to "37 1/2 FT APR 2003" 28°24'30" N 80°34'31" W (See 19/03-11481)	28/03	<b>12208</b> 9Ed. 4/03 LAST NM 23/03 Add Depth 62 feet Obstn [K41] (NOS)	28/03 36°56'30"N 75°58'05"W
Add	Depth 37 feet Depth 33 feet	28°25'02.3" N 80°35'37.9" W 28°24'52.7" N 80°37'41.4" W	<b>12221</b> 73Ed. 10/02 LAST NM 25/03 Add Depth 62 feet Obstn [K41] (NOS)	28/03 36°56'30"N 75°58'05"W
	Tabulation of controlling depths from Subsection I-2 (NOS)			
<b>★12222</b>	44Ed. 5/03 LAST NM 26/03 Relocate Light "5" from 36°51'30" N 76°20'02" W to 36°51'34" N 76°20'00" W (NOS; 21/03 CG5)			28/03
			<b>12223</b> 42Ed. 1/5/02 LAST NM 13/03 Relocate Light "5" from 36°51'29.6" N 76°20'02.0" W to 36°51'33.8" N 76°20'00.1" W (See 38/02-12253) (21/03 CG5)	28/03
			<b>12280</b> 3Ed. 7/02 LAST NM 18/03 Add Depth 62 feet Obstn [K41] (NOS)	28/03 36°56.5" N 75°58.1" W

## SECTION I

<b>★13307</b>	10Ed. 10/27/01 LAST NM 23/03 Delete Depth 11 feet Depth 11 feet Depth 11 feet Depth 11 feet Depth 12 feet	28/03 44°06'00.7"N 69°06'22.0"W 44°06'28.9"N 69°06'14.4"W 44°06'29.0"N 69°06'25.9"W 44°06'44.0"N 69°06'04.9"W 44°06'38.7"N 69°06'13.2"W	<b>18500</b> 28Ed. 2/23/02 LAST NM 22/03 Change Legend "Army" to "Priv" (19/03 CG13)	28/03 46°51.4'N 124°14.7'W
Change	Legend to "13 1/2 FT MAR 2003"  Legend to "15 FT 2003" Legend to "17 FT MAR 2003" Legend to "11 FT 2003" Legend to "12 FT" Legend to "13 1/2 FT 2003" Legend to "12 FT MAR 2003"	44°06'04.2"N 69°06'20.5"W  44°06'11.1"N 69°06'05.5"W 44°06'14.0"N 69°05'57.3"W 44°06'29.3"N 69°06'18.4"W 44°06'35.2"N 69°06'15.9"W 44°06'39.0"N 69°06'09.8"W 44°06'26.0"N 69°06'02.4"W		
(NOS)				
<b>★13316</b>	22Ed. 5/03 NEW EDITION (NOS)	28/03		
<b>★14915</b>	25Ed. 4/03 NEW EDITION (NOS)	28/03		
<b>16760</b>	10Ed. 11/18/00 LAST NM 51/02 Delete Depth 6 fathoms Depth 2 fathoms	28/03 59°59.8'N 139°29.6'W 59°59.6'N 139°29.9'W	<b>18749</b> 38Ed. 12/1/01 LAST NM 26/03 Delete Buoy "4" Buoy "6" Buoy "10"	28/03 33°43'21.9"N 118°15'40.4"W 33°43'44.0"N 118°15'31.2"W 33°42'48.0"N 118°15'09.0"W
Add	Depth 6 fathoms 2 feet "Rep (2002)" Depth 8 fathoms 5 feet "Rep (2002)" Depth 8 fathoms 5 feet "Rep (2002)"  (NOS) Depth 3/4 fathom "Rep (2002)"	59°59.5'N 139°30.0'W 59°59.4'N 139°28.3'W 59°59.3'N 139°27.4'W 59°59.7'N 139°29.9'W	Change Period of buoy (mooring) to 3s  Add Light Q (Priv) Light Fl 4s (Priv) (20, 23/03 CG11)	33°44'50.1"N 118°10'01.1"W 33°45'10.8"N 118°11'13.6"W 33°44'58.8"N 118°11'13.6"W
<b>★16761</b>	16Ed. 11/18/00 LAST NM 8/01 Delete Depth 6 fathoms Depth 2 fathoms	28/03 59°59'46"N 139°29'37"W 59°59'34"N 139°29'52"W	<b>★18751</b> 42Ed. 12/1/01 LAST NM 26/03 Delete Buoy "4" Buoy "6" Buoy "10"	28/03 33°43'22.0"N 118°15'40.7"W 33°43'44.1"N 118°15'31.3"W 33°42'47.6"N 118°15'09.1"W
Substitute	Depth 0 fathom 5 feet "Rep (2002)" for 8 fathoms 3 feet	59°59'42"N 139°29'52"W	Change Period of buoy (mooring) to 3s  Add Light Q (Priv) Light Fl 4s (Priv) (20, 23/03 CG11)	33°44'50.2"N 118°10'00.7"W 33°45'10.8"N 118°11'13.6"W 33°44'58.8"N 118°11'13.6"W
Add	Depth 6 fathoms 2 feet "Rep (2002)" Depth 8 fathoms 5 feet "Rep (2002)" Depth 8 fathoms 5 feet "Rep (2002)"	59°59'27"N 139°30'00"W 59°59'23"N 139°28'20"W 59°59'19"N 139°27'25"W		
(NOS)				
<b>18440</b>	26Ed. 12/02 LAST NM 22/03 Delete Light "C" (18/03 CG13)	28/03 47°39.3'N 122°50.2'W	<b>★19019</b> 9Ed. 5/03 NEW EDITION (NOS)	28/03
<b>18441</b>	42Ed. 5/1/02 LAST NM 18/03 Delete Light "C" (18/03 CG13)	28/03 47°39'18"N 122°50'10"W	<b>★19441</b> 7Ed. 5/03 NEW EDITION (NOS)	28/03
<b>18445</b>	29Ed. 2/24/01 LAST NM 25/03 <b>(Page E)</b> Delete Light "C" (18/03 CG13)	28/03 47°39'18"N 122°50'10"W	<b>22251</b> 11Ed. 7/19/97 LAST NM 12/03 Delete Purple composite line between  Legend "SUBMARINE...AREA" (12(221)02 Valparaiso)	28/03 22°56'30"S 70°33'03"W 23°03'25"S 70°33'03"W 22°59'18"S 70°34'15"W
<b>★18458</b>	15Ed. 3/03 LAST NM 19/03 Delete Light "C" (18/03 CG13)	28/03 47°39'18"N 122°50'10"W	<b>24058</b> 2Ed. 11/20/93 LAST NM 22/03 Delete Buoy (6(32)02 Montevideo)	28/03 33°59'03"S 58°23'00"W
<b>18459</b>	5Ed. 5/16/98 LAST NM N15/03 Delete Light "C" (18/03 CG13)	N28/03 47°39'18"N 122°50'10"W	<b>24161</b> 11Ed. 6/8/96 LAST NM 7/03 Change Light to FY 5m 6M Light to FY 5m 6M (Brz LL)	28/03 22°52'30"S 43°08'12"W 22°52'25"S 43°07'57"W
<b>18476</b>	4Ed. 2/7/98 LAST NM 9/03 Delete Light "C" (18/03 CG13)	28/03 47°39'18"N 122°50'10"W	<b>24162</b> 9Ed. 8/3/96 LAST NM 7/03 Change Light to FY 5m 6M Light to FY 5m 6M (See 51/99-24162) (Brz LL)	28/03 22°52'30"S 43°08'06"W 22°52'24"S 43°07'53"W
			<b>★25681</b> 16Ed. 4/03 NEW EDITION (NOS)	28/03

## SECTION I

**NM 28/03**

<b>27083</b>	39Ed. 11/26/94	LAST NM 52/01 <b>(Plan A)</b>	28/03	Submarine cable between	57°40'58.0"N 11°49'07.0"E 57°40'50.6"N 11°49'24.0"E
Change	Buoy to "13" G, spar, can topmark, Fl G 5s (426)03 Habana)		23°00'09.1"N 82°45'16.8"W	Submarine cable between	57°40'34.0"N 11°39'54.0"E 57°40'30.6"N 11°40'00.0"E
<b>27102</b>	11Ed. 1/28/95	LAST NM 38/00 <b>(Plan A)</b>	28/03	Buoy	57°41'03.0"E 11°49'25.2"E
Change	Buoy to "7" G, can, can topmark Buoy to "9" G, spar, can topmark Buoy to "11" G, can, can topmark (426)03 Habana)		22°58'07.1"N 83°09'43.1"W 22°57'23.8"N 83°10'05.2"W 22°56'59.0"N 83°10'14.8"W	Buoy	57°41'07.2"E 11°49'47.4"E 57°41'13.8"E 11°49'37.8"E 57°41'22.2"E 11°49'26.4"E 57°41'12.0"E 11°49'25.2"E 57°41'21.6"E 11°49'12.0"E 57°41'33.6"E 11°48'57.6"E
		<b>(Plan B)</b>		Dashed-line area and legend "Spoil Ground" in vicinity	57°36'38.0"N 11°35'20.0"E
Change	Buoy to "2-C" R, spar, cone topmark, Fl R 6s (426)03 Habana)		22°58'32.5"N 82°58'28.8"W	Relocate	Legend "10m" from 57°42'24.0"N 11°56'32.0"E to 57°42'20.0"N 11°53'34.0"E (See 19/03-44042)
<b>37005</b>	16Ed. 8/2/97	LAST NM 23/03	28/03	Substitute	Beacon BYB, double cone topmark bases together, Q(3) 10s for position circle "Dol"
Add	Platform (lighted) [L10] "A 6-A" (31(50)99 Hamburg)		55°47.5'N 3°59.7"E		57°41'16.2"E 11°53'31.2"E
<b>37010</b>	23Ed. 9/7/96	LAST NM 23/03	28/03	Change	Legend "9.5m" to "9m" Legend "6m" to "9.5m" Buoy to R, spar, Fl R 3s (See 45/02-44042)
Add	Foul ground symbol [K31] (20(246)03 Hamburg)		51°47.5'N 3°20.0"E		57°42'45.0"E 11°57'24.0"E 57°41'33.0"E 11°50'37.0"E 57°38'40.7"N 11°50'39.2"E
<b>37165</b>	2Ed. 2/3/96	LAST NM 26/03	28/03	Add	Buoy YB, spar, double cone topmark points downward
Add	Platform (lighted) [L10] "A 6-A" (31(50)99 Hamburg)		55°47.5'N 3°59.7"E		57°41'31.8"N 11°49'27.6"E
<b>37200</b>	15Ed. 6/29/96	LAST NM 18/02	28/03		Buoy (mooring)
Add	Platform (lighted) [L10] "A 6-A" (31(50)99 Hamburg)		55°47.5'N 3°59.7"E		57°41'17.7"N 11°52'10.7"E
<b>37230</b>	14Ed. 11/14/98	LAST NM 39/02 <b>(Plan A)</b>	28/03		Buoy R, can, QR
Delete	Buoy "131"		53°33'21"N 9°47'10"E		57°41'02.1"N 11°49'30.4"E
Add	Buoy "131" G, pillar, Fl(3) G 15s (31(48)99 Hamburg)		53°33'23"N 9°47'11"E		Buoy YB, pillar, double cone topmark points downward, VQ(6) + L Fl 10s
<b>37244</b>	11Ed. 2/1/97	LAST NM 26/03	28/03		57°41'00.7"N 11°49'55.3"E
Add	Foul ground symbol [K31] (20(246)03 Hamburg)		51°47.5'N 3°20.0"E		Buoy R, can, Fl R 3s
<b>43030</b>	24Ed. 4/5/97	LAST NM 22/03	28/03		57°41'15.5"N 11°49'22.0"E
Add	Depth 36 meters Wk (11(68)03 København)		57°34.7'N 11°05.7"E		57°41'11.1"N 11°49'41.0"E
<b>43360</b>	21Ed. 1/4/97	LAST NM 21/03	28/03		57°41'21.6"E 11°49'13.6"E
Add	Depth 36 meters Wk (11(68)03 København)		57°34.7'N 11°05.7"E		57°41'21.3"N 11°49'26.9"E
<b>44036</b>	5Ed. 8/31/96	LAST NM 23/03	28/03		57°41'32.6"N 11°48'58.4"E
Add	Depth 36 meters Wk (11(68)03 København)		57°34'40"N 11°05'43"E		57°41'06.6"E 11°49'46.8"E
<b>44040</b>	23Ed. 7/20/96	LAST NM 24/03	28/03		57°41'21.9"E 11°49'11.7"E
Add	Depth 36 meters Wk (11(68)03 København)		57°34.7'N 11°05.7"E		57°40'59.6"N 11°48'34.0"E
<b>44041</b>	7Ed. 4/3/93	LAST NM 23/03	28/03		Submarine pipeline joining
Delete	Dashed-line area and legend "Spoil Ground" in vicinity		57°36'38"N 11°35'20"E		57°37'36.0"N 11°48'33.0"E
Add	"Spoil Ground" area [N62.1] bound by dashed line joining (42(773)01 Norrköping)		57°36'34"N 11°36'00"E 57°35'58"N 11°35'02"E 57°36'38"N 11°33'30"E 57°37'16"E 11°34'27"E		57°37'28.8"N 11°48'33.2"E 57°37'22.2"N 11°48'26.4"E 57°37'10.6"N 11°48'05.3"E
<b>44042</b>	7Ed. 8/22/92	LAST NM 27/03	28/03		Submarine pipeline joining
Delete	Light		57°40'50.6"N 11°49'24.0"E		57°36'14.5"N 11°48'47.5"E
					57°36'14.0"N 11°49'20.4"E 57°36'17.2"N 11°49'23.0"E
					Submarine pipeline between
					57°34'30.0"N 11°47'41.4"E 57°34'39.5"N 11°47'50.0"E
					Submarine pipeline between
					57°36'26.4"N 11°50'06.0"E 57°36'30.6"N 11°50'31.8"E
					Submarine pipeline between
					57°36'31.8"N 11°50'39.0"E 57°36'39.2"N 11°50'50.2"E
					Submarine pipeline between
					57°37'22.2"N 11°48'26.4"E 57°37'17.4"N 11°48'53.8"E
					Submarine pipeline between
					57°37'41.5"N 11°52'32.5"E 57°37'47.4"N 11°52'39.0"E
					Double solid line with land tint (bridge) [D22]
					between 57°42'22.5"N 11°56'29.0"E 57°42'24.0"N 11°56'36.0"E
					Solid line (breakwater) [F4.1] between 57°40'52.6"N 11°51'27.0"E 57°40'52.0"N 11°51'33.0"E
					"Spoil Ground" area [N62.1] bound by dashed line joining (10(263), 15(407)00, 42(773, 777), 49(895)01, 42(572, 587), 43(597, 599), 47(661)02, 6(928), 7(938, 947, 949), 12(1004)03 Norrköping)
					57°36'34.2"N 11°36'00.0"E 57°35'57.6"N 11°35'01.8"E 57°36'38.4"N 11°33'30.0"E 57°37'15.6"N 11°34'27.0"E

<b>44062</b>	8Ed. 1/11/97 LAST NM 8/02 Relocate Buoy (mooring) from 55°07'06"N 9°29'07"E to 55°07'09"N 9°29'09"E Buoy (mooring) from 55°07'03"N 9°28'58"E to 55°07'08"N 9°29'04"E	28/03	<b>44361</b>	6Ed. 7/13/96 LAST NM 27/03 Delete Stranded wreck (13(1696)02 St. Petersburg)	28/03
<b>44064</b>	19Ed. 6/29/96 LAST NM 22/03 Change Visibility (range) of light "DW 54" to 8M (22(119)03 Kobenhavn)	28/03	<b>44461</b>	10Ed. 1/11/97 LAST NM 26/03 Add "WAITING AREA NO 21" bound by dashed-line circle, radius 0.2 mile, centered (47(7246)01 St. Petersburg)	28/03
<b>44067</b>	22Ed. 10/19/96 LAST NM 17/03 Change Visibility (range) of light "DW 54" to 8M (22(119)03 Kobenhavn)	28/03	<b>51260</b>	4Ed. 8/10/96 LAST NM 18/03 Add Submarine cable [L30.1] joining	28/03
<b>44070</b>	7Ed. 11/14/98 LAST NM 9/02 Add Land tint to area bound by shore and solid line [F13] between 53°54'20.8"N 10°46'01.1"E 53°54'25.0"N 10°45'53.0"E and delete land tint seaward of above solid line Depth 6.7 meters 53°54'25.0"N 10°45'46.9"E Depth 8.7 meters 53°54'23.2"N 10°45'53.4"E Depth 8.9 meters 53°54'21.4"N 10°45'57.0"E Legend "Tunnel works in progress (2003-2005)" (19(52)03 Hamburg)	28/03		Submarine cable [L30.1] joining 27°49.4'N 16°51.6'W 27°46.6'N 17°13.5'W 27°47.7'N 17°22.4'W 27°49.7'N 17°26.7'W 27°58.3'N 17°34.1'W 28°04.4'N 17°36.9'W 28°21.1'N 17°37.1'W 28°59.9'N 17°17.9'W (48(646)00 Cadiz)	
<b>44076</b>	3Ed. 8/30/97 LAST NM 22/03 Add Chartlet, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2 54°10'00"N 12°06'00"E <b>(Plan)</b> Add Chartlet A, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2 54°11'00.0"N 12°06'00.0"E Chartlet B, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2 54°10'00.0"N 12°06'00.0"E Chartlet C, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2 54°09'30.0"N 12°06'00.0"E Note: Replaces Plan (Ger CH 1672)	28/03	<b>54380</b>	6Ed. 5/11/91 LAST NM 18/03 Change Visibility (range) of light to 12M (43(195)02 Istanbul)	28/03
<b>44206</b>	1Ed. 12/27/86 LAST NM 24/03 Add Submarine cable (power) [L31.1] joining 61°14'27"N 17°13'53"E 61°14'25"N 17°14'28"E 61°14'35"N 17°14'52"E (26(495)01 Norrkoping)	28/03	<b>54382</b>	9Ed. 6/1/96 LAST NM 16/03 Change Visibility (range) of light to 12M (43(195)02 Istanbul)	28/03
<b>44207</b>	1Ed. 11/22/86 LAST NM 23/03 <b>(Plan A)</b> Add Submarine cable (power) [L31.1] joining 61°14'27.0"N 17°13'52.8"E 61°14'24.6"N 17°14'27.6"E 61°14'28.2"N 17°14'42.0"E 61°14'35.4"N 17°14'51.6"E (26(495)01 Norrkoping)	28/03	<b>55001</b>	(INT 310) 4Ed. 1/21/95 LAST NM 15/03 Add Dangerous wreck [K28] (10(209)00 Constanta)	28/03
<b>44319</b>	2Ed. 2/15/97 LAST NM 27/03 Delete Light (12(1563)02 St. Petersburg)	28/03	<b>55060</b>	7Ed. 2/15/97 LAST NM 37/02 Delete Buoy <b>(Plan)</b> Delete Buoy (12(168)02 Constanta)	28/03
<b>44360</b>	9Ed. 10/12/96 LAST NM 27/03 Delete Light from buoy Substitute Position circle "Tower" [E20] for light (12(1563), 1564), 20(2817)02 St. Petersburg)	28/03	<b>55061</b>	1Ed. 5/18/96 LAST NM 15/98 Change Period of light to 10s (3(75)00 Constanta)	28/03
	Add Dashed line (recommended track) [M4] with legend "312°-132°" between 60°01.6'N 27°52.4"E 60°01.6'N 28°04.3'E 60°01.6'N 28°04.3'E 60°02.4'N 28°38.4'E		<b>55062</b>	5Ed. 6/8/96 LAST NM 47/00 Change Period of light to 10s Add Light Fl 7s (3(75), 76)00 Constanta)	28/03
			<b>55100</b>	8Ed. 1/23/99 LAST NM 6/03 Add Light Fl 7s Dangerous wreck [K28] (3(76), 10(209)00 Constanta)	28/03
			<b>55120</b>	2Ed. 6/15/96 LAST NM 14/03 Change Period of light to 10s Add Light Fl 7s Dangerous wreck [K28] (3(75), 76), 10(209)00 Constanta)	28/03
			<b>55128</b>	2Ed. 3/18/00 LAST NM 27/03 Add Stranded wreck [K24] <b>(Plan)</b> Add Stranded wreck [K24] (16(2260)02 St. Petersburg)	28/03

## SECTION I

**NM 28/03**

<b>55200</b>	2Ed. 8/17/96 LAST NM 27/03 Add Platform [L10] with legend "3 platforms"	28/03 45°07.4'N 36°40.9'E	<b>62520</b>	6Ed. 3/15/03 LAST NM 20/03 Delete Anchorage symbol and pilot station symbol in vicinity	28/03 26°37.4'N 51°37.0'E
	Danger circle [K40] "Obstn" (18(2598), 23(3337)02 St. Petersburg)	45°20.3'N 36°36.1'E		Add Pilot station symbol [T1.1] (5/03 MENAS)	26°40.9'N 51°36.0'E
<b>61581</b>	5Ed. 6/21/97 LAST NM 18/02 Add Submarine cable [L30.1] joining	28/03 20°59.7'S 55°16.7'E 20°58.7'S 55°15.3'E 20°58.0'S 55°15.0'E 20°54.0'S 55°14.4'E	<b>62521</b>	4Ed. 3/15/03 LAST NM N20/03 Delete Anchorage symbol and pilot station symbol in vicinity	N28/03 26°37.4'N 51°37.0'E
	Submarine cable [L30.1] joining	20°59.7'S 55°16.3'E 20°58.9'S 55°15.1'E 20°57.5'S 55°14.5'E 20°57.0'S 55°14.0'E 20°54.5'S 55°13.1'E 20°51.1'S 55°11.2'E		Add Pilot station symbol [T1.1] (5/03 MENAS)	26°40.9'N 51°36.0'E
	(NTM0018/2003)		<b>62530</b>	6Ed. 3/8/03 LAST NM 20/03 Delete Anchorage symbol and pilot station symbol in vicinity	28/03 26°37.4'N 51°37.0'E
				Add Pilot station symbol [T1.1] (5/03 MENAS)	26°40.9'N 51°36.0'E
<b>61582</b>	4Ed. 5/10/97 LAST NM 18/02 Add Submarine cable [L30.1] joining	28/03 20°59'39.3"S 55°16'18.4"E 20°59'31.0"S 55°16'00.0"E 20°59'03.6"S 55°15'20.9"E 20°58'54.0"S 55°15'07.4"E 20°57'30.0"S 55°14'29.9"E 20°57'02.4"S 55°14'00.9"E 20°54'31.8"S 55°13'08.8"E 20°53'45.0"S 55°12'44.0"E	<b>62531</b>	4Ed. 3/8/03 LAST NM N20/03 Delete Anchorage symbol and pilot station symbol in vicinity	N28/03 26°37.4'N 51°37.0'E
	Submarine cable [L30.1] joining	20°59'43.5"S 55°16'44.5"E 20°59'17.3"S 55°16'10.3"E 20°58'43.5"S 55°15'19.4"E 20°58'00.0"S 55°15'00.0"E 20°54'00.0"S 55°14'23.7"E 20°51'00.0"S 55°15'49.8"E		Add Pilot station symbol [T1.1] (5/03 MENAS)	26°40.9'N 51°36.0'E
	(NTM0018/2003)		<b>62550</b>	3Ed. 2/22/03 LAST NM 16/03 Delete Anchorage symbol, pilot station symbol and legend "Al Rayyan" in vicinity	28/03 26°37'24"N 51°37'00"E
				Add Anchorage symbol (large vessels) [N10]	26°40'54"N 51°36'00"E
				Pilot station symbol [T1.2] with legend "Al Rayyan"	26°40'24"N 51°36'00"E
				(5/03 MENAS)	
<b>61591</b>	4Ed. 9/23/95 LAST NM 8/02 Add Submarine cable [L30.1] joining	28/03 20°30'04"S 57°26'46"E 20°30'27"S 57°26'49"E 20°30'35"S 57°26'50"E 20°30'57"S 57°26'53"E 20°31'22"S 57°26'35"E 20°33'00"S 57°26'20"E 20°34'58"S 57°25'50"E	<b>*71255</b>	6Ed. 3/22/03 NEW EDITION (NIMA)	28/03
	Submarine cable [L30.1] joining	20°30'34"S 57°26'53"E 20°30'57"S 57°26'58"E 20°31'11"S 57°26'51"E 20°31'55"S 57°26'50"E 20°32'00"S 57°26'49"E 20°33'17"S 57°26'37"E 20°35'19"S 57°26'17"E	<b>76015</b>	1Ed. 4/24/93 LAST NM 40/02 Add Submarine cable [L30.1] between	28/03 41°17.7'S 174°37.7"E 41°18.6'S 174°12.1"E
	(NTM0018/2003)			Submarine cable [L30.1] joining	41°18.1'S 174°37.1"E 41°19.7'S 174°34.3"E 41°21.0'S 174°13.0"E 41°18.6'S 174°12.1"E
				(7/57)03 Wellington)	
<b>62001</b>	5Ed. 2/1/03 LAST NM 11/03 Delete Dangerous submerged rock Dangerous submerged rock	28/03 24°24.0'N 37°06.5"E 21°24.0'N 38°51.0"E	<b>76050</b>	8Ed. 8/10/96 LAST NM 18/03 Delete Buoy (8(66)03 Wellington)	28/03 36°41.6'S 174°50.8"E
	Substitute Depth 69 meters for dangerous submerged rock	26°33.0'N 35°57.0"E	<b>76052</b>	8Ed. 1/16/99 LAST NM 5/03 <b>(Panel A)</b> Delete Buoy (8(66)03 Wellington)	28/03 36°41'39"S 174°50'46"E
	(NTM0005/2003)		<b>76070</b>	9Ed. 6/22/96 LAST NM 35/02 Add Submarine cable [L30.1] joining	28/03 41°17.7'S 174°37.7"E 41°18.1'S 174°37.1"E 41°18.6'S 174°29.8"E 41°19.9'S 174°16.9"E 41°20.4'S 174°13.2"E 41°19.2'S 174°12.1"E 41°18.6'S 174°12.1"E
<b>62191</b>	15Ed. 2/1/03 LAST NM 15/03 Substitute Depth 24.5 meters R [K14.1] for dangerous submerged rock Depth 26.5 meters R [K14.1] for dangerous submerged rock	28/03 28°16'08"N 33°12'50"E 28°12'40"N 33°31'54"E		Submarine cable [L30.1] joining	41°18.1'S 174°37.1"E 41°19.7'S 174°34.3"E 41°20.8'S 174°24.3"E 41°20.7'S 174°22.5"E 41°21.4'S 174°13.9"E 41°20.4'S 174°12.4"E 41°18.6'S 174°12.1"E
	(NTM0005/2003)			(7/57)03 Wellington)	
<b>62406</b>	2Ed. 5/13/95 LAST NM 33/02 Add Buoy (mooring) [Q40] (23(2491)03 Taunton)	28/03 25°41'00"N 55°43'00"E			
<b>*62413</b>	12Ed. 3/22/03 NEW EDITION (NIMA)	28/03			

<b>76071</b>	9Ed. 1/28/89 LAST NM 35/02 Change Light to Iso WR 6s 7m 9/8M with sectors white 133°-190°, red-015°	28/03 41°19'27.3"S 174°50'43.1"E	Add (Plan) Legend "SEE CAUTION NO 2" (11(84)03 Wellington) 38°40'51.0"S 177°59'15.0"E
	Light to Fl R 3s 6m 3M (7(58), 8(67)03 Wellington)	41°18'15.7"S 174°51'01.1"E	
<b>76081</b>	7Ed. 9/22/90 LAST NM 12/02 Add Submarine cable [L30.1] joining	28/03 41°18'36.0"S 174°33'00.0"E 41°18'37.2"S 174°29'45.0"E 41°18'45.0"S 174°29'13.8"E 41°19'00.0"S 174°23'22.0"E	
	Submarine cable [L30.1] between (7(57)03 Wellington)	41°19'00.0"S 174°12'07.0"E 41°18'37.2"S 174°12'06.0"E	
	Submarine cable [L30.1] between (7(57)03 Wellington)	41°19'00.0"S 174°12'04.0"E 41°18'37.2"S 174°12'06.0"E	
<b>76141</b>	8Ed. 1/18/92 LAST NM 46/02 <b>(Panel A)</b> Add Range beacon, front, W, cone topmark	28/03 45°49'23.2"S 170°37'56.2"E	
	Range beacon, rear, W, cone topmark point downward	45°49'18.1"S 170°38'03.3"E	
	Range line extending in 224°43' direction from above rear beacon dashed for 400 meters, thence solid for 1050 meters		
	Legend "044°43'" along above range line (6(52)03 Wellington)	45°49'42.0"S 170°37'29.0"E	
<b>76144</b>	1Ed. 7/3/93 LAST NM 34/95 Delete Light	28/03 (11(85)03 Wellington)	45°06'09.5"S 170°58'16.0"E
<b>76146</b>	1Ed. 5/22/93 LAST NM 8/02 Delete Pilot station symbol	28/03 44°23'10.2"S 171°18'06.5"E	
	Change Light to Dir WRG 25m 21-17M & FG 25m 10M	44°23'07.0"S 171°14'47.0"E	
	Add Legend "Shoaling Rep (2003)" (7(59)03 Wellington)	44°22'54.0"S 171°15'12.0"E	
<b>76147</b>	1Ed. 5/29/93 LAST NM 2/02 Delete Pilot station symbol	28/03 44°23'10.2"S 171°18'06.5"E	
	Change Light to Dir WRG 25m 21-17M & FG 25m 10M	44°23'07.0"S 171°14'47.0"E	
	Add Pilot station symbol [T1.1] (7(59)03 Wellington)	44°22'57.6"S 171°19'30.0"E	
<b>76160</b>	4Ed. 3/21/98 LAST NM 7/01 Relocate Pilot station symbol from 38°43'07"S 178°01'28"E to	28/03 (11(84)03 Wellington)	38°43'32"S 178°01'23"E
<b>76162</b>	1Ed. 12/15/90 LAST NM 18/03 Delete Pilot station symbol	28/03 38°42'39.0"S 178°00'48.0"E	
	Substitute CAUTIONS note for CAUTION note from Subsection I-2	38°40'30.0"S 177°56'18.0"E	
	Change Legend "SEE CAUTION" to "SEE CAUTION NO 1"	38°43'25.0"S 178°04'45.0"E	
	Add Pilot station symbol [T1.1]	38°43'31.8"S 178°01'22.8"E	
	Legend "SEE CAUTION NO 2"	38°40'51.0"S 177°59'15.0"E	
<b>76170</b>	7Ed. 10/26/96 LAST NM 29/02 Relocate Pilot station symbol from	28/03 (11(84)03 Wellington)	38°42'39"S 178°00'48"E to 38°43'32"S 178°01'23"E
<b>76180</b>	1Ed. 7/31/93 LAST NM 23/02 Add Submarine cable [L30.1] between	28/03 (7(57)03 Wellington)	41°17.7"S 174°37.7"E 41°18.6"S 174°12.1"E
	Submarine cable [L30.1] joining		41°18.1"S 174°37.1"E 41°19.7"S 174°34.3"E 41°21.0"S 174°13.0"E 41°18.6"S 174°12.1"E
<b>★81048</b>	8Ed. 2/27/93 LAST NM 14/02 Relocate Buoy "AG" from 13°22'02"N	28/03 (21/03 CG14)	144°38'24"E to 13°22'04"N 144°38'31"E
<b>★81054</b>	13Ed. 2/03 LAST NM 14/03 Relocate Buoy "2" from 13°27'10.7"N	28/03 (19/03 CG14)	144°37'22.1"E to 13°27'10.1"N 144°37'22.8"E
<b>93650</b>	2Ed. 11/4/95 LAST NM 24/03 Add Dangerous wreck [K28] (PA)	28/03 (19(372)03 Tianjin)	21°29.7"N 109°36.9"E
<b>93698</b>	3Ed. 3/23/96 LAST NM 45/02 Add Stranded wreck [K24] (PA)	28/03 (18(350)03 Tianjin)	18°12'20"N 109°32'47"E
<b>93720</b>	10Ed. 8/12/95 LAST NM 24/03 Add Wreck [K29] "Rep (2003)" (PA)	28/03 (18(349), 20(390)03 Tianjin)	21°38.0"N 113°10.0"E 21°54.9"N 113°25.2"E
<b>93730</b>	3Ed. 6/29/96 LAST NM 24/03 Add Dangerous wreck [K28] "Rep (2003)" (PA)	28/03 (18(347), 20(388)03 Tianjin)	23°00.0"N 116°36.7"E 22°45.5"N 116°34.0"E
<b>94040</b>	13Ed. 10/4/97 LAST NM 18/03 Add Dangerous wreck [K28] "Rep (2003)" (PA)	28/03 (18(347), 20(388)03 Tianjin)	23°00.0"N 116°36.7"E
	Wreck [K29] (PA)		22°45.5"N 116°34.0"E
<b>94123</b>	9Ed. 5/11/96 LAST NM 18/03 Add Foul ground symbol [K31]	28/03 (33/03 Tso-ying)	25°11'24"N 121°43'12"E
<b>94124</b>	13Ed. 3/30/96 LAST NM 25/03 Add Foul ground symbol [K31]	28/03 (33/03 Tso-ying)	25°11'24.0"N 121°43'12.0"E
<b>94160</b>	7Ed. 3/23/96 LAST NM 19/03 Add Foul ground symbol [K31]	28/03 (33/03 Tso-ying)	25°11.4"N 121°43.2"E
<b>94180</b>	9Ed. 10/28/95 LAST NM 23/03 Add Wreck [K29] "Rep (2003)" (PA)	28/03 (19(368)03 Tianjin)	29°42.8"N 122°01.7"E
<b>94188</b>	2Ed. 5/25/96 LAST NM 8/03 Add Wreck [K29] "Rep (2003)" (PA)	28/03 (19(368)03 Tianjin)	29°42'50"N 122°01'39"E

## SECTION I

NM 28/03

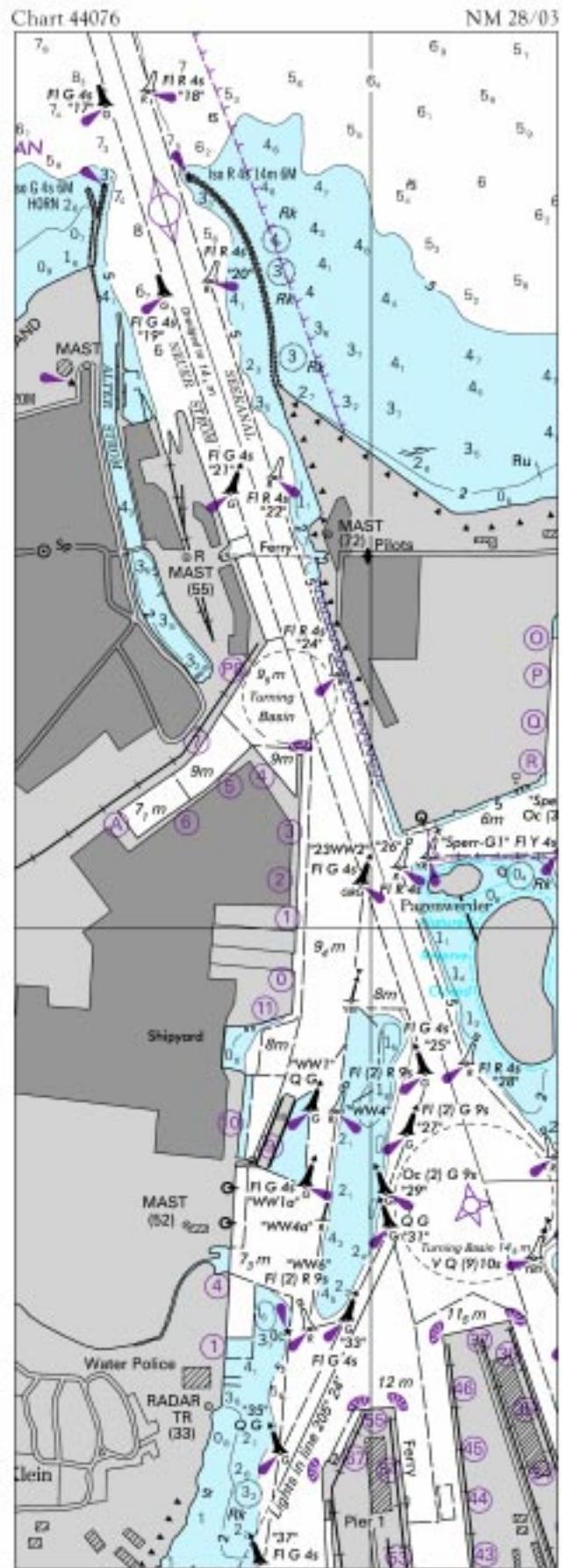
94201	1Ed. 5/1/45 LAST NM 24/03 Add Wreck [K29] "Rep (2003)" (PA) (19(368)03 Tianjin)	28/03 29°42'50"N 122°01'39"E	95151	17Ed. 11/28/98 LAST NM 23/03 Delete Submarine pipeline between 35°05'42.0"N 129°02'20.1"E 35°05'48.6"N 129°02'12.5"E	28/03
95067	13Ed. 8/29/98 LAST NM 23/03 Relocate Buoy "10" from 37°26'26.0"N 126°36'24.0"E to 37°26'36.0"N 126°36'15.0"E (See 5/03-95067) (13(199)03 Inchon)	28/03		Beacon Beacon	35°05'40.5"N 129°02'14.7"E 35°05'47.9"N 129°02'12.0"E
95068	1Ed. 10/23/99 LAST NM 25/03 Delete Lights (2) and legend "3 Fl Y" in vicinity 37°00'06.5"N 126°46'43.0"E Lights (2) and legend "3 Fl Y" in vicinity 37°00'04.7"N 126°46'46.0"E	28/03		Relocate Buoy "F" from 35°05'46.3"N 129°05'25.2"E to 35°05'47.2"N 129°05'28.1"E (See 47/02-95151)	35°05'46.3"N 129°05'25.2"E 35°05'47.2"N 129°05'28.1"E
	Add Legend "Fl Y 7M" to light Legend "Fl Y 7M" to light (14(214)03 Inchon)	37°00'07.7"N 126°46'40.5"E 37°00'03.0"N 126°46'48.2"E		Substitute Disused submarine cable [L32] for submarine cable between (13(189), 190)03 Inchon	35°05'41.2"N 129°02'14.2"E 35°05'47.6"N 129°02'12.1"E
95080	13Ed. 6/24/95 LAST NM 27/03 Add Light Fl 6s 17m 8M (49(648)00 Inchon)	28/03 35°43'35"N 126°27'35"E	95152	5Ed. 7/23/94 LAST NM 19/03 Delete Submarine pipeline between 35°05'42.0"N 129°02'20.1"E 35°05'48.6"N 129°02'12.5"E	28/03
95082	9Ed. 5/28/94 LAST NM 27/03 Delete Buoy "10" (49(649)00 Inchon)	28/03 35°58'47"N 126°35'11"E		Substitute Disused submarine cable [L32] for submarine cable between (See 26/98-95152) (13(189)03 Inchon)	35°05'41.2"N 129°02'14.2"E 35°05'47.6"N 129°02'12.1"E
95083	8Ed. 5/28/94 LAST NM 19/03 Delete Buoy "10" (49(649)00 Inchon)	28/03 35°58'47.0"N 126°35'11.0"E	95173	1Ed. 11/27/93 LAST NM 1/03 Add Solid line (breakwater) [F4.1] between 37°58'49.3"N 128°45'46.5"E 37°58'43.8"N 128°45'51.1"E	28/03
95100	12Ed. 3/2/96 LAST NM 27/03 Add Beacon BRB, double ball topmark, Fl(2) 10s 12m 8M [Q130.4] (49(647)00 Inchon)	28/03 34°21'04"N 125°53'53"E		Light Fl R 4s 11m 5M Solid line (breakwater) [F4.1] between 38°00'28.3"N 128°43'55.5"E 38°00'25.3"N 128°43'58.9"E	37°58'43.9"N 128°45'50.6"E
95101	8Ed. 7/8/95 LAST NM 17/03 Add Beacon BRB, double ball topmark, Fl(2) 10s 12m 8M [Q130.4] (44(573), 49(647)00 Inchon)	28/03 34°21'04"N 125°53'53"E		Light Fl R 6s 11m 5M (14(204-207), 17(289)03 Inchon)	38°00'25.2"N 128°43'58.7"E
95103	8Ed. 5/18/96 LAST NM 27/03 Change Height of beacon to 20m (49(646)00 Inchon)	28/03 34°04'24"N 126°31'08"E	95261	7Ed. 8/17/96 LAST NM 23/03 Change Light to Fl(2) R 5s 5M (16(588)03 Tokyo)	28/03 38°04'33"N 138°34'23"E
95138	8Ed. 2/5/94 LAST NM 27/03 Add Double solid line (seawall) between 34°49'52.4"N 127°46'03.6"E 34°49'38.0"N 127°46'07.4"E and delete hydrography within above area (49(643)00 Inchon)	28/03	95274	3Ed. 5/18/91 LAST NM 23/03 Change Light to Fl(2) R 5s 5M Visibility (range) of light to 7M (16(588, 589)03 Tokyo)	28/03 38°04'23"N 138°34'34"E 37°51'54"N 138°25'26"E
95143	11Ed. 5/15/99 LAST NM 27/03 Delete Buoy "A" Buoy "B" Buoy "H" Buoy "J" Add Solid line (seawall) between 34°49'52"N 127°46'04"E 34°49'38"N 127°46'07"E and delete hydrography within above area Buoy "1" G, pillar, can topmark, Fl G 4s 34°54'23"N 127°48'13"E (49(643)00, 13(191), 14(212)03 Inchon)	28/03 34°54'23"N 127°48'08"E 34°55'09"N 127°47'13"E 34°55'16"N 127°47'21"E 34°54'30"N 127°48'17"E	97155	14Ed. 12/27/97 LAST NM 20/03 Delete Buoy Buoy Buoy (See 37/02, 12/03-97155)	28/03 35°35'09.0"N 139°46'31.0"E 35°35'20.6"N 139°49'57.0"E 35°35'13.0"N 139°46'26.0"E
				Change Color of buoy to R Shape of buoy to pillar	35°37'03.0"N 139°46'14.0"E 35°35'21.4"N 139°49'59.0"E
				Add Buoy R, conical (16(591)03 Tokyo)	35°37'05.7"N 139°46'19.3"E
95147	13Ed. 5/14/94 LAST NM 25/03 Substitute Depth 11.5 meters for 8.1 meters	28/03 35°07'55.4"N 128°41'29.3"E	97201	7Ed. 8/9/97 LAST NM 18/03 Change Visibility (range) of light to 5M (16(592)03 Tokyo)	28/03 34°04'19.0"N 136°12'21.0"E
	Add Depth 11.3 meters Depth 11 meters Depth 9 meters (14(213)03 Inchon)	35°07'54.2"N 128°41'30.5"E 35°07'52.2"N 128°41'31.6"E 35°07'53.7"N 128°41'33.4"E	97205	3Ed. 7/26/97 LAST NM 18/03 Change Visibility (range) of light to 5M (Plan A) (16(592)03 Tokyo)	28/03 34°04'19.0"N 136°12'21.0"E
			97229	12Ed. 7/4/98 LAST NM 18/03 Add Chartlet, depicting changes in hydrography and topography, from Subsection I-2 (30(1021), 51(1777)02 Tokyo)	28/03 34°39'05.0"N 135°11'20.0"E

**97230** 18Ed. 7/5/97 LAST NM 9/03  
Add Chartlet, depicting changes in hydrography and  
topography, from Subsection I-2  
34°39'05.0"N 135°11'20.0"E  
(30(1021), 51(1777)02 Tokyo)

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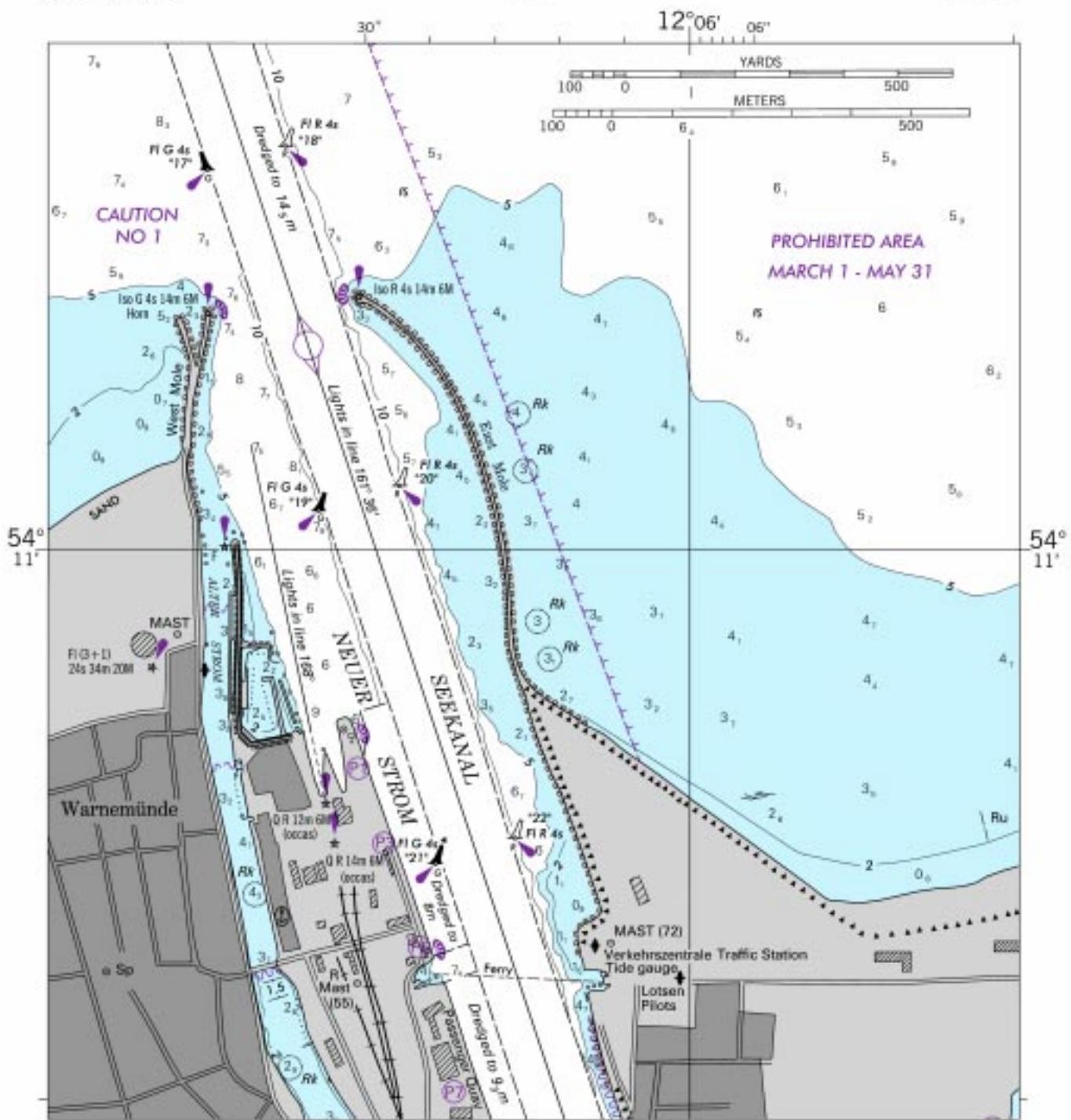
## SECTION I

NM 28/03

Chart 44076 (Plan)

(A)

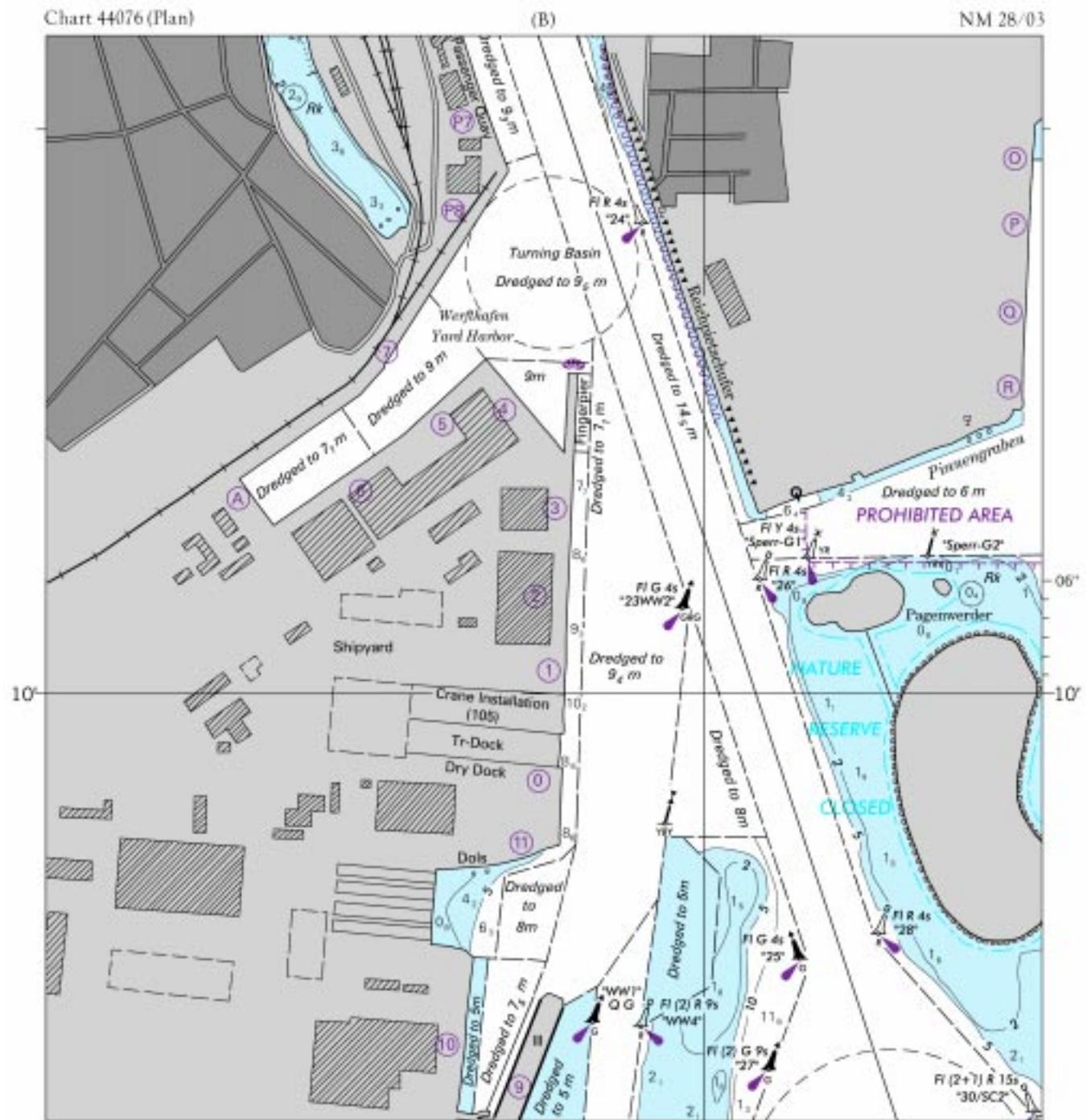
NM 28/03



## SECTION I

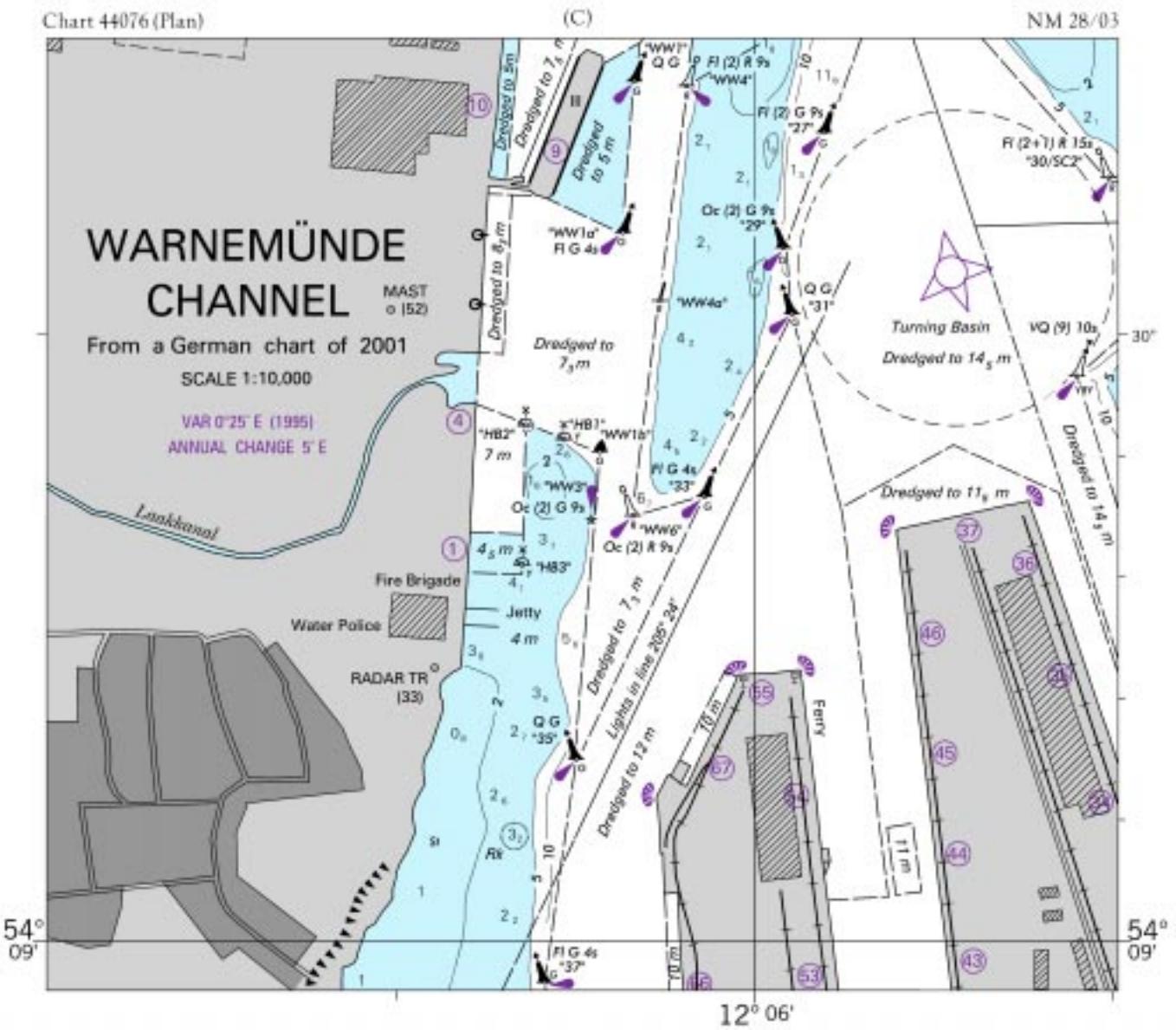
NM 28/03

Chart 44076 (Plan)



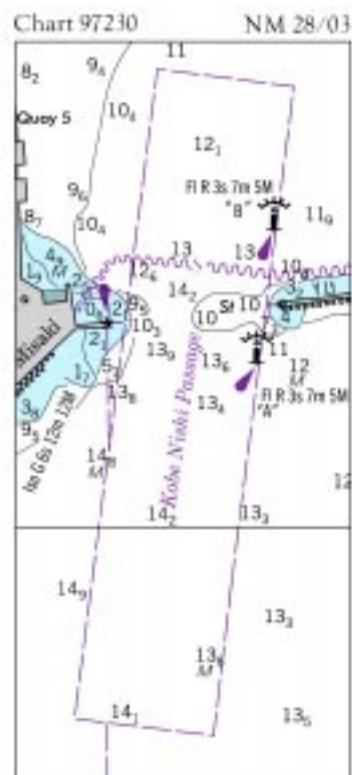
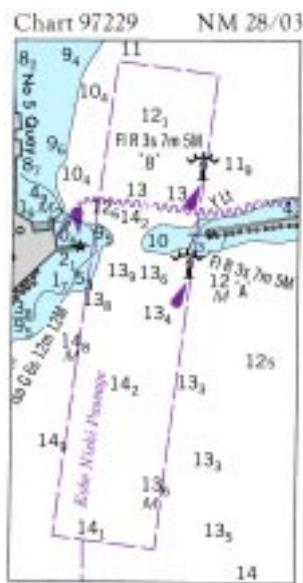
## SECTION I

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## SECTION I

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## SECTION I

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Chart 11478

NM 28/03

PORT CANAVERAL CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2003 AND SURVEYS OF APR 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
OUTER REACH	41.2	41.1	41.6	40.9	4-03	400 5.5 44
MIDDLE REACH	43.7	44.2	43.8	37.6	4-03	400 0.9 44
INNER REACH	37.8	41.6	40.9	37.8	4-03	400 0.8 40
WEST ACCESS CHANNEL (EAST PORTION)	37.8	40.6	41.0	39.1	4-03	400 0.3 39
WEST ACCESS CHANNEL (WEST PORTION)	30.5	34.4	35.1	34.6	4-03	400 0.3 31

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11481

NM 28/03

PORT CANAVERAL CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2003 AND SURVEYS OF APR 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
OUTER REACH	41.2	41.1	41.6	40.9	4-03	400 5.5 44
MIDDLE REACH	43.7	44.2	43.8	37.6	4-03	400 0.9 44
INNER REACH	37.8	41.6	40.9	37.8	4-03	400 0.8 40
WEST ACCESS CHANNEL (EAST PORTION)	37.8	40.6	41.0	39.1	4-03	400 0.3 39
WEST ACCESS CHANNEL (WEST PORTION)	30.5	34.4	35.1	34.6	4-03	400 0.3 31

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

## SECTION I

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Chart 11506

NM 28/03

BRUNSWICK HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)
BAR CHANNEL (ST SIMON RANGE)	33.0	34.0	A30.0	04-03	500	7.7 32
PLANTATION CREEK RANGE	38.5	40.0	40.0	04-03	400	1.8 32
JEKYLL ISLAND RANGE	28.0	33.0	31.0	04-03	400	1.9 30
CEDAR HAMMOCK RANGE	30.0	31.0	29.5	04-03	400	1.4 30
BRUNSWICK PT CUT RANGE	27.0	29.5	29.0	04-03	400	2.4 30
EAST RIVER						
LOWER REACH	B24.5	28.0	26.0	04-03	400	1.1 30
UPPER REACH	27.0	27.0	25.5	04-03	350	1.0 27
EAST RIVER TURNING BASIN	24.5	24.5	24.5	04-03	750	0.2 30
TURTLE RIVER LOWER RANGE	35.0	31.5	29.0	04-03	300	1.7 30
BLYTHE ISLAND RANGE	30.0	26.5	26.0	04-03	300	1.5 30
TURTLE RIVER UPPER RANGE	27.0	28.0	25.0	04-03	300	1.7 30
SOUTH BRUNSWICK RIVER	29.5	30.0	29.5	04-03	400	1.3 30

A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W.  
B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 28.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT,  
AND 30.5 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.  
NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE  
CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN)  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 76162

NM 28/03

### CAUTIONS

1. The shoal area southeast of Tusheni Point has not been swept and less depths than charted may exist.
2. Vessels with masts or superstructure in excess of 20 meters above sea level should keep more than 400 meters from the shore.























## SECTION II

**NM 28/03**

### NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.					Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date					
REGION 1									
11ACO11300 (7642014010097)	Galveston to Rio Grande (LORAN-C)	460,732	<u>39</u>	<u>4/03</u>	NOS	1-94	28/03		
11XHA11519 (7642014010271)	Coosaw and Broad Rivers	40,000	<u>12</u>	<u>4/03</u>	NOS	1-94	28/03		
13XHA13316 (7642014010473)	Blue Hill Bay	40,000	<u>22</u>	<u>5/03</u>	NOS	1-95	28/03		
	Inset: Blue Hill Harbor (Inset not shown on index)	20,000							
14XHA14915 (7642014010685)	Little Bay de Noc	30,000	<u>25</u>	<u>4/03</u>	NOS	1-96	28/03		
19ACO19019 (7642014011661)	<u>French Frigate Shoals to Laysan Island</u>	653,219	<u>9</u>	<u>5/03</u>	NOS	1-8,99	28/03		
19BCO19441 (7642014011681)	<u>Maro Reef</u>	80,000	<u>7</u>	<u>5/03</u>	NOS	1-8,99	28/03		
REGION 2									
25XHA25681 (7642014012078)	Bahia de Guayanilla and Bahia de Tallaboa	10,000	<u>16</u>	<u>4/03</u>	NOS	2-63	28/03		
REGION 6									
62AHA62413 (7642014013376)	Mina Salman and Sitrah	20,000	<u>12</u>	<u>3/03</u>	A	6-24	28/03		
REGION 7									
71AHA71255 (7642014006965)	Harbor of Singapore-Western Part	15,000	<u>6</u>	<u>3/03</u>	A	7-30	28/03		
MISCELLANEOUS CHARTS AND PUBLICATIONS									
MINLS1117A (7642014007888)	Galveston to Rio Grande (LORAN-C)	460,732		<u>2003</u>	NOS	10-25	28/03		

Price Categories effective 1 October 2002

A    17.75	E    9.00	G    4.50	I    26.25
D    10.75	F    9.00	H    2.50	R    2.50

CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

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For questions concerning the availability and distribution of announced charts, users should contact the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

## NAVIGATION PUBLICATIONS

## SAILING DIRECTIONS CORRECTIONS

PUB 123      8 Ed 2001      LAST NM 27/03

Page 9—Lines 15 to 18/L; read:

**Pilotage.**—Pilotage is compulsory and is available 24 hours. Vessels should confirm their ETA when within 30 miles of the port. Pilots can be contacted by VHF and board 0.7 mile NE of the head of Main Breakwater.

Vessels should send their ETA 24 hours and 6 hours in advance. Messages should contain the following information:

1. Vessel name.
2. Date of arrival.
3. Draft fore and aft.
4. LOA.
5. GT.
6. NRT.
7. Time in port.
8. Last port of call.
9. Next port of call.
10. Nationality.
11. Port of registry.
12. Call sign.
13. Agent.
14. Duty officer.
15. IMO number.

(BA NM 4/03)

28/03

Page 12—Lines 4 to 12/L; read:

**Pilotage.**—Pilotage is compulsory and is available 24 hours. Pilots board 1 mile E of the main breakwater.

Vessels should send ETA 24 hours and 6 hours in advance. Messages should contain the following information:

1. Vessel name.
2. Date of arrival.
3. Draft fore and aft.
4. LOA.
5. GT.
6. NRT.
7. Time in port.
8. Last port of call.
9. Next port of call.
10. Nationality.
11. Port of registry.
12. Call sign.
13. Agent.
14. Duty officer.
15. IMO number.

Vessels from Abidjan should also forward a 48 hour ETA message.

(BA NM 4/03)

28/03

Page 28—Line 39/R; insert after:

**Okono Terminal** ( $3^{\circ}59'N$ ,  $6^{\circ}18'E$ ), a CALM buoy and an FPSO tanker, is located about 25 miles SE of Field Point. A pipeline runs from the platform NNW to the coast.

Pilotage is compulsory. Pilots are available from sunrise to 1500. Pilots board in the anchorage area 2 miles N of the terminal.

A current meter is situated close SW to the platform; a wave recorder is 5 miles SSW of the platform.

The terminal can be contacted 24 hours on VHF channel 8; VHF channel 72 is used during vessel operations.

Vessels should send their ETA 72 hours, 48 hours, and 4 hours in advance to the terminal. The 72-hour message should contain the following information:

1. Vessel name and call sign.
2. ETA.
3. Cargo requirements.
4. Deballast time.
5. Maximum loading rate in barrels per hour.
6. Estimated draft on arrival.
7. If any sickness onboard or clean bill of health.
8. Last port of call.
9. Port of destination.
10. Summer deadweight.
11. Port of Registry/Country.
12. Master's name.
13. Any hull, bulkhead, valve, or pipeline leaks on the vessel that could negatively affect loading or cause pollution.
14. Distance in meters from bow to the tanker's loading manifold and from the port rail to the manifold.
15. Confirm that the vessel is fitted with a bow chain stopper.
16. Advise if the bow chain stoppers are suitable for the terminal's 76mm mooring chain.
17. Acceptance and compliance with these Okono Terminal User Regulations and Procedures.

(BA NM 23/03)

28/03

Page 29—Line 57/L; insert after:

**Yoho Terminal** ( $4^{\circ}00'N$ ,  $7^{\circ}28'E$ ) consists of an FPSO moored about 30 miles SE of Field Point.

Yoho is a 24-hour terminal that is open at the discretion of the pilot. Berthing is only permitted during daylight hours; unberthing can be anytime. Vessels will be moored in tandem, bow to stern. Loading is done by a floating hose from the FPSO to the tanker.

Tugs and line boats are available to assist. A large tug will be secured to the stern of the tanker for the entire loading operation.

The vessel's mooring tackle should comply with the Oil Companies Industrial Marine Forum requirements.

Tankers up to 350,000 dwt can be loaded at a maximum rate of 7,000 cubic meters/hour.

Pilotage is mandatory. Vessels will board the pilot either at the anchorages or where directed.

There are two anchorages. Yoho South is a circle with 1,700m radius centered on position  $3^{\circ}58.7'N$ ,  $7^{\circ}33.0'E$ . Yoho North, a circle with a radius of 1,700m, is centered on position  $4^{\circ}06.6'N$ ,  $7^{\circ}31.3'E$ . Obstructions and abandoned wellheads may lie outside these areas.

**PUB 123 (Continued)**

An abandoned wellhead is reported to be in position 3°59.6'N, 7°32.9'E.

For ETA procedures and times see Pub. 160, Sailing Directions (Planning Guide) South Atlantic Ocean and Indian Ocean.

All vessels must comply with the recommendations published in the current issue of the International Safety Guide for Oil Tankers and Terminals (ISGOTT).

In addition, vessels loading crude must comply with the Yoho Terminal regulations and any restrictions imposed by local government.

(BA NM 23/03) 28/03

**PUB 124 8 Ed 2001 LAST NM 27/03**

Page 73—Line 29/R; insert after:

A measured mile is situated about 12.5 miles W of Ilha do Cabo Frio. It is marked by two pairs of beacons aligned on a bearing of 002°. The towers, visible at 4 miles, are made of brick and concrete, with the front one being white with a black stripe and the rear one being black with a white stripe.

(Brz SD South Coast) 28/03

Page 74—Line 16/R; insert after:

Loaded vessels have priority when passing through the dredged channel.

(NIMA) 28/03

Page 74—Lines 56 to 59/R; strike out.

(NIMA) 28/03

Page 75—Line 40/L; insert after:

A racon is located in the middle of the central span.

(Brz SD South Coast) 28/03

Page 75—Lines 46 to 54/L; read:

Maua Pier is 883m long, with alongside depths of 9.5 to 11m. The pier has 20 berths and is used mainly for passenger ships. It is located about 0.2 mile W of Ilha das Cobras.

Gamboa Quay, containing Warehouses 1 to 18, extends W from the root of Maua Pier for 3,150m and has alongside depths of 8 to 11m.

Sao Cristovao Quay, containing two warehouses, extends NNW from the W end of Gamboa Quay for a distance of 1,525m. There are depths of 7.5 to 9.5m alongside.

Caju Quay has six berths and extends NE from the N end of Sao Cristovao Quay for a distance of 1,300m. It has alongside depths of 6 to 7.5m.

Tecont Quay, formerly an ore yard, is now a container terminal. The quay, which has four berths, is 765m long, with alongside depths of 11.5m to 12.5m.

(Brz SD South Coast) 28/03

Page 75—Lines 1 to 5/R; strike out.

(NIMA) 28/03

Page 76—Lines 23 to 45/L; read:

**Anchorage**

Vessels which have to anchor outside the harbor due to congestion at the inner anchoring grounds, or which are constrained by their draft, shall anchor 2 miles N of Ilha Rasa, in a depth of about 32m.

Vessels that use this anchoring area must communicate with the harbormaster's office as soon as they reach the area. They may communicate by VHF radio or by fax, or their agent can report in person to the Division of Naval Police, as part of clearance, and at the State Offices at any time, including weekends.

Vessels may not anchor in the aforementioned anchorage without informing the harbormaster's office. A vessel's stay is limited to 48 hours but may be extended with permission of the harbormaster's office.

Vessels awaiting quarantine officials should anchor in the quarantine anchorage, 1 mile N of Ilha Rasa.

These two anchorage areas are subject to strong S winds and ground swell.

The anchorage area situated 0.7 mile NNE of the Ilha do Pai has a depth of 24m and is exclusively for platforms for submarine prospecting and similar vessels.

For anchorage in Baia de Guanabara, vessels must use a local pilot and have permission and clearance. Inner anchorages can be seen on the chart.

**Caution.**—Numerous submarine cables land between Ponta de Copacabana and Ponta do Leme, at the city of Rio de Janeiro. Therefore, any anchoring outside the bar of Baia de Guanabara must use the anchorage 2 miles N of Ilha Rasa.

(Brz SD South Coast) 28/03

**PUB 126 6 Ed 2002 LAST NM 27/03**

Page 99—Line 59/R to Page 100—Line 3/L; read:

**Pilotage.**—Pilotage is not compulsory but is available on request. Vessels should contact the port via radiotelephone. The pilot will board the vessel from a small boat at Te Ava Pua Pua (8°35'S., 179°08'E.).

(BA NM 11/03, Section VI) 28/03

**PUB 163 8 Ed 2002 LAST NM 27/03**

Page 3—Lines 20 to 29/R; read:

**Depths—Limitations.**—In the South China Sea between Singapore Strait and the W coast of Borneo, the depths are generally 38 to 44m.

**Regulations.**—For information regarding designated Archipelagic Sea Lanes, as defined by the United Nations Convention on the Law of the Sea (UNCLOS), passing from the South China Sea through the Indonesian Archipelago, see the Indonesia section of Pub. 120, Sailing Directions (Planning Guide) Pacific Ocean and Southeast Asia.

**Caution.**—Numerous oil and gas fields exist off the coasts of Sarawak, Brunei, and Sabah. Each field contains clusters of installations consisting of above water, awash, or submerged structures; the structures may be permanent or movable and may or may not be lighted. However, most structures exhibit lights, especially the platforms. Since not

**PUB 163 (Continued)**

all features are charted or marked, mariners are cautioned to exercise special care when navigating these waters.

(BA NM 9/03) 28/03

Page 27—Lines 23 to 29/R; read:

The constancy of the predominant directions at the height of the monsoons is high, but it is low in the transition months and only moderate in the months immediately preceding and following the height of the monsoons.

The tidal currents will be further described with each channel.

**Regulations.**—For information regarding designated Archipelagic Sea Lanes, as defined by the United Nations Convention on the Law of the Sea (UNCLOS), passing through Selat Karimata, see the Indonesia section of Pub. 120, Sailing Directions (Planning Guide) Pacific Ocean and Southeast Asia.

**Selat Bangka**

(BA NM 9/03) 28/03

Page 91—Lines 24 to 26/L; read:

Near Kepulaun Seribu, the E current is always stronger than the W current; the speed does not exceed 2 knots.

**Regulations.**—For information regarding designated Archipelagic Sea Lanes, as defined by the United Nations Convention on the Law of the Sea (UNCLOS), passing through the Selat Sunda and the W Java Sea, see the Indonesia section of Pub. 120, Sailing Directions (Planning Guide) Pacific Ocean and Southeast Asia.

**Selat Sunda**

(BA NM 9/03) 28/03

Page 137—Lines 38 to 51/L; read:

**Tides—Currents.**—In the Flores Sea the currents set W during the Southeast Monsoon and E during the Northwest Monsoon. Both currents are, on the average, stronger than those in the Java Sea, with the E current somewhat stronger than the W current. Maximum rates of 2.5 knots or more have been recorded.

The tidal currents in the straits will be discussed along with a general description of the straits.

**Regulations.**—For information regarding designated Archipelagic Sea Lanes, as defined by the United Nations Convention on the Law of the Sea (UNCLOS), passing through the Savu Sea, see the Indonesia section of Pub. 120, Sailing Directions (Planning Guide) Pacific Ocean and Southeast Asia.

**6.2 Pulau Sumba** ( $9^{\circ}40'S.$ ,  $120^{\circ}00'E.$ ) lies 35 miles SE of Pulau Sumbawa. Except for its S side, the island is generally low along the coast and mountainous farther inland. In the N central part the island rises to a height of almost 914m; in the SE part the elevation is a little over 1,219m. Volcanic activity has never been observed.

(BA NM 9/03) 28/03

Page 170—Lines 7 to 16/L; read:

From numerous previous reports, the currents along this coast appear to be irregular and fairly strong. In the month of June, during the first quarter of the moon, a current with a rate of 2.25 to 3 knots was observed setting onto the coast in an ESE direction. The current probably sets E along the N coast throughout the year. Its mean rate is probably less than 1 knot, except during the Northwest Monsoon, when it may exceed 3 knot on rare occasions.

**Regulations.**—For information regarding designated Archipelagic Sea Lanes, as defined by the United Nations Convention on the Law of the Sea (UNCLOS), passing through the Makassar Strait, see the Indonesia section of Pub. 120, Sailing Directions (Planning Guide) Pacific Ocean and Southeast Asia.

**Caution.**—The possibility of mines exist in the area described in this sector.

(BA NM 9/03) 28/03

Page 225—Lines 9 to 16/L; read:

In the Celebes Sea during the Southeast Monsoon drift, currents from E will cause a gyrating motion which increases the S set on the W side of the island and gives an E current along the N shore of the Sulawesi.

**Regulations.**—For information regarding designated Archipelagic Sea Lanes, as defined by the United Nations Convention on the Law of the Sea (UNCLOS), passing through the Makassar Strait, see the Indonesia section of Pub. 120, Sailing Directions (Planning Guide) Pacific Ocean and Southeast Asia.

**Caution.**—Great caution must be exercised in approaching the S coast of Borneo and Makassar Strait, due to the numerous dangers. Vessels should pass well S of the sand ridges which extend more than 42 miles S from Tanjung Sambar.

(BA NM 9/03) 28/03

Page 281—Lines 31 to 47/L; read:

**Pulau Gulisaan** (Gulisan) ( $6^{\circ}09'N.$ ,  $118^{\circ}03'E.$ ), an islet with a conspicuous clump of trees 23m high, stands on the S edge of a coral reef 2 miles NE of Pulau Libaran.

**Pulau Silingaan** ( $6^{\circ}10'N.$ ,  $118^{\circ}04'E.$ ), about 31m high to the tops of the trees, lies about 1.5 miles N of Pulau Gulisaan. The islet is coral fringed and foul ground extends 0.75 mile NW from it. A light is shown on the S end of the island from a white metal framework tower with red bands.

**Turtle Rock** ( $6^{\circ}12'N.$ ,  $118^{\circ}03'E.$ ), with a least depth of 3.3m, lies 2 miles NNW of Pulau Silingaan.

**Regulations.**—Pulau Penyu Marine Park extends from Pulau Gulisan to Pulau Bakungaan Kecil 5 miles E and includes Pulau Silingaan and the extensive reef 1 mile to the E. The limits of the park are best seen on the chart. Special permission from the Director of Sabah Parks is required before entry or transit.

**Great Bakkungaan** (Bakungaan) ( $6^{\circ}11'N.$ ,  $118^{\circ}07'E.$ ) and Pulau Bakkungaan Kechil, two wooded islands fringed by coral reefs, are about 44m and 31m high to the tops of the trees. These islands lie 3.5 miles ENE and 3 miles E, respectively, of Pulau Silingaan.

**PUB 163 (Continued)**

Shoals and reefs lie between Pulau Silingaan and Great Bakkungaan and up to 2 miles NW of Great Bakkungaan.  
 (BA NM 6/03) 28/03

**PUB 164 7 Ed 2000 LAST NM 8/03**

Page 13—Lines 27 to 31/R; read:

Anchorage is available, in 60m, in a small bay at the village of Kampung Dama on the S side of Pulau Doi. The W shore of this bay has a fringing reef, but the NE shore is clear. Local knowledge is necessary.

**Regulations.**—For information regarding designated Archipelagic Sea Lanes, as defined by the United Nations Convention on the Law of the Sea (UNCLOS), lying N and W of Halmahera, see the Indonesia section of Pub. 120, Sailing Directions (Planning Guide) Pacific Ocean and Southeast Asia.

**West Coast of Halmahera**

(BA NM 9/03) 28/03

Page 61—Lines 24 to 32/L; read:

**Tides—Currents.**—Very little is known about currents in the open part of the Banda Sea, except that the winds set up perceptible surface movements. In the W part of the sea, S of Kepulauan Banggai and Kepulauan Sula, the current sets ESE at the rate of 0.8 knot to 2 knots during the NNW monsoon and sets NNW at a rate of 0.6 knot to 2 knots during the SSE monsoon. During both seasons, most of the flow is in the N part of the Banda Sea; in the S the rates are weak and the direction of the set is very variable.

**Regulations.**—For information regarding designated Archipelagic Sea Lanes, as defined by the United Nations Convention on the Law of the Sea (UNCLOS), passing through the Banda Sea, see the Indonesia section of Pub. 120, Sailing Directions (Planning Guide) Pacific Ocean and Southeast Asia.

(BA NM 9/03) 28/03

**PUB 172 9 Ed 2001 LAST NM 27/03**

Page 42—Line 54/R to Page 43—Line 42/L; read:

which it projects. The point is marked by a light with racon at its NE extremity.

**Geziret Safaga** (Jazirat Safajah) ( $26^{\circ}45'N$ ,  $33^{\circ}59'E$ ) is low and sandy. A conspicuous table-topped hill, 26m high, is on its NE extremity. A beacon stands on the summit of the hill. It was reported (1994) that a large fort is situated close to this position. The NE extremity is marked by a light. A directional light with racon is located in the SE part of the island just NE of a conspicuous white house. A ruined beacon stands on the S tip of the island.

Some detached rocks lie about 1 mile S of the S extremity of the island. They are marked on their SE side by Moorewood Lighted Beacon.

**4.6 Panorama Reef** ( $26^{\circ}45'N$ ,  $34^{\circ}05'E$ ) lies in a position about 5 miles E of Gaziret Safaga; it is on a bank with depths less than 200m. A beacon, the position of which is approximate, marks the S end of this reef. The N extremity of the reef is marked by a lighted beacon.

A bank, with a least charted depth of 22m, is about 1 mile S of Panorama Reef. Arpha Bank, with a least depth of 21.9m, lies about 2 miles W of Panorama Reef.

**Middle Reef** ( $26^{\circ}43'N$ ,  $34^{\circ}00'E$ ), which dries, and over which the sea breaks, lies about 3 miles SSE of Panorama Reef. This danger lies on a bank with depths of 7.3 to 11m; sunken rocks lie close S and 0.5 mile SE, respectively, of Middle Reef. The reef is marked on its W side by a lighted beacon.

The SW part of the bank on which these two reefs lie has not been examined.

Fellows Rocks, two submerged rocks with depths of less than 1.8m, lie in the middle of a bank extending about 2 miles WSW of Middle Reef. The rocks are marked by a lighted buoy with a racon.

**Sha'b Shear** ( $26^{\circ}39'N$ ,  $34^{\circ}06'E$ ) lies awash, about 3 miles S of Middle Reef, and is the SE of this group of dangers. A boulder which dries to 1.2m stands near the SE extremity of this reef. The S extremity of the reef is marked by a lighted beacon.

**Hyndman Reefs** ( $26^{\circ}39'N$ ,  $34^{\circ}03'E$ ), awash and drying in places, lie about 4 miles SE of the S extremity of Gaziret Safaga; these reefs extend about 2 miles SE. The reef is marked on its N side by a lighted beacon.

**Cannon Reef** ( $26^{\circ}40'N$ ,  $33^{\circ}59'E$ ), which dries 0.3m and the N extremity of which lies about 3 miles S of the S extremity of Gaziret Safaga, projects S to within about 1 mile of the coastal reef. A deep channel, about 2 miles wide, lies between Hyndman Reefs and Cannon Reef. The use of this channel is discouraged by local authorities.

**Spit Reef** ( $26^{\circ}41'N$ ,  $33^{\circ}58'E$ ) projects about 3 miles N from the coast to a position about 2 miles SW of the S extremity of Gaziret Safaga.

Shoals and sunken rocks extend from the W and NW extremities; shoals with less than 5.5m lie within 0.5 mile of the NW extremity.

A sandy spit, which dries to 0.6m, is on the E side of this reef. The NE extremity of the reef is marked by a lighted beacon.

(US NM 28/62177/00) 28/03

Page 43—Table; replace with below:

New table titled **Bur Safaga Berthing Information (2003)** from back of this Subsection.

(BA NP 64) 28/03

Page 43—Line 12/R; read:

16m, although it has been reported (2002) that the maximum safe entry draft is only 10.36m.

Inside the shoals, the bay has general depths of 26 to (US CH 62177; BA NM 64) 28/03

Page 44—Lines 8 to 10/L; read:  
 altered.

Vessels approach from the NE between the charted waiting area and Panorama Reef using the directional light on the S end of Geziret Safaga, although caution is necessary, as this leads over Alpha Bank, with a depth of 22m.

**PUB 172 (Continued)**

Vessels approach the inner harbor using the buoyed dredged channel and the directional light at the head of the bay. Range beacons, in line bearing 310°, also lead into the harbor; the front range beacon is the directional light. Each range beacon consists of a black diamond on a white framework tower; it has been reported that the range beacons are difficult to see because of the electrical towers in the vicinity.

The

(BA NP 64; PUBS 020/03) 28/03

Page 44—Table; strike out.

(BA NP 64) 28/03

**COAST PILOT CORRECTIONS**

**COAST PILOT 1            33 Ed 2003            Change No. 1  
LAST NM 27/03**

Page 5—Paragraph 50, line 2; read:  
America including the Hawai‘ian Islands;  
(CL 2084/02) 28/03

Page 20—Paragraph 383, line 6; read:  
Kekaha, Kauai, Hawai‘i (21°59'26"N., 159°46'00"W.) on ...  
(CL 2084/02) 28/03

Page 21—Paragraph 397, line 6; read:  
Old Hawai‘ian Datum, and others. Through the use of satellites ...  
(CL 2084/02) 28/03

Page 21—Paragraph 398, line 5; read:  
charts of Hawai‘i, and other Pacific Ocean Islands, ...  
(CL 2084/02) 28/03

Page 33—Paragraph 549, line 3; read:  
in Colorado, Hawai‘i, Kwajalein, Diego Garcia, and Ascension ...  
(CL 2084/02) 28/03

Page 34—Paragraph 553, line 4; read:  
Rico, most of Alaska, and Hawai‘i. The system provides ...  
(CL 2084/02) 28/03

Page 36—Paragraph 594, line 6; read:  
Hawai‘ian Islands 2,000 miles away. The wave of May ...  
(CL 2084/02) 28/03

Page 36—Paragraph 597, line 5; read:  
The Pacific Tsunami Warning Center, Oahu, Hawai‘i, of ...  
(CL 2084/02) 28/03

Page 397—Paragraph 21, line 2; read:  
Oregon, Washington, and Hawai‘i.  
(CL 2084/02) 28/03

Page 400—Paragraph 112, line 1; read:

**Region IX** (California, Hawai‘i, Guam): 215 ...  
(CL 2084/02) 28/03

Page 401—Paragraph 149, line 3; read:

Rico; Southwest Alaska; Hawai‘i; and 300-400 NM off ...  
(CL 2084/02) 28/03

Page 403—Paragraph 229, line 1; read:

**Pacific Region** (California, Hawai‘i, Alaska, Washington,  
...  
(CL 2084/02) 28/03

Page 403—Paragraph 238; read:

Honolulu, Hawai‘i: 300 Ala Moana Boulevard, 96850.  
(CL 2084/02; CP7/02) 28/03

**COAST PILOT 1            33 Ed 2003            Change No. 2**

Page 199—Paragraph 146, lines 1 to 3; read:  
**Anchorages**.—Two general anchorages are on the eastern side of Mount Desert Island, 0.5 and 1.5 mile south of Bald Rock Ledge respectively. (See **110.1** and **110.130** chapter 2, for limits and regulations.)

**Bar Harbor** is formed by the east shore of ...  
(CL 2111/02; 51/02 CG1) 28/03

Page 232—Paragraph 201; strike out.  
(53/02 CG1; LL/02) 28/03

Page 355—Paragraph 162, lines 3 to 6; read:  
leading along the west side of Derby Wharf. In October 2002, the controlling depth was 5.2 feet (7.1 feet at midchannel) in the channel to the westward turn into South River, thence 4.8 feet (5.6 feet at midchannel) from the turn continuing west to a point ...  
(CL 1907/02; 12/03 CG1; BP 179154) 28/03

Page 398—Paragraph 46, line 5 to Paragraph 49; read:  
2288, AL 36602, Attn: Map Sales, LM-SR; telephone, 251-441-5631.

Flood Control and Navigation Maps of the Mississippi River, Cairo, IL to the Gulf of Mexico: Published by Mississippi River Commission and for sale by U.S. Army Engineer District Vicksburg, 4155 Clay Street, Vicksburg, MS 39183-3435, Attn: Map Sales; telephone: 601-631-5042.

Upper Mississippi River Navigation Charts (Mississippi River, Cairo, IL to Minneapolis, MN): Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., P.O. Box 2004, Rock Island, IL 61204-2004; telephone, 309-794-5338.

Charts of the Illinois Waterway, from Mississippi River at Grafton, IL to Lake Michigan at Chicago and Calumet Harbors: Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., P.O. Box 2004, Rock Island, IL 61204-2004; telephone, 309-794-5338.  
(CE/03) 28/03

**COAST PILOT 1      33 Ed 2003      Change No. 3**

Page 39—Paragraph 665, line 4 to Paragraph 666, line 1; read:  
in the Coast Pilot and Sailing Directions.

**MARINE POLLUTION**
**Compliance with the Federal Water Pollution Control Act or Clean Water Act**

The Federal Water Pollution Control Act (FWPCA) or Clean Water Act (CWA) was passed to restore and maintain the chemical, physical and biological integrity of our nation's waters.

**No Discharge Zones**

Section 312 of the FWPCA, entitled "Marine Sanitation Devices" (see **40 CFR 140** in Chapter 2), gives the Environmental Protection Agency (EPA) and States the authority to designate certain areas as No-Discharge Zones (NDZ) for vessel sewage. Freshwater lakes, freshwater reservoirs, or other freshwater impoundments whose entrances and exits prohibit traffic by regulated vessels (vessels with installed toilets) are, by regulation, NDZs. Rivers that do not support interstate navigation vessel traffic are also NDZs by regulation. Water bodies that can be designated as NDZs by States and EPA include: the Great Lakes and their connecting waterways, freshwater lakes and impoundments accessible through locks, and other flowing waters that support interstate navigation by vessels subject to regulation.

Inside No-Discharge Zone waters, discharge of any sewage, whether treated or untreated, is completely prohibited.

Discharge of sewage in waters not designated under **40 CFR 140** as No-Discharge Zones is regulated by the Marine Sanitation Device Standard (see **40 CFR 140** in Chapter 2.)

**Oil Pollution**

The FWPCA also ...  
(CL 139/02; 40 CFR 140) 28/03

Page 40—Paragraph 674, line 8 to Paragraph 675, line 1; read:  
against organizations which violate MARPOL.

**Packaged Marine Pollutants**

On October 1, 1993, new regulations under the ...  
(CL 139/02; 40 CFR 140) 28/03

Page 41—Paragraph 677, line 10 to Paragraph 678, line 1; read:  
substance, solid or liquid, N.O.S. (class 9).

**Ocean Dumping**

The Marine Protection Research and Sanctuaries ...  
(CL 139/02; 40 CFR 140) 28/03

Page 47—Paragraph 1; read:

This chapter contains extracts from Code of Federal Regulations (CFR) that are of importance to mariners in the area

covered by this Coast Pilot. Sections of little value to the mariner are sometimes omitted. Omitted sections are signified by the following [...]

Extracts from the following titles are contained in this chapter.  
(NOS/03) 28/03

Page 47—Paragraph CFR Box; insert after Part 334:

**Title 40 (40 CFR): Protection of Environment**

Part 140 Marine Sanitation Device Standard  
(40 CFR 140) 28/03

Page 130—Paragraph 1839, line 3; read:  
designate.

**TITLE 40—PROTECTION OF ENVIRONMENT**
**Part 140—Marine Sanitation Device Standard**
**§140.1 Definitions.**

For the purpose of these standards the following definitions shall apply:

(a) *Sewage* means human body wastes and the wastes from toilets and other receptacles intended to receive or retain body wastes;

(b) *Discharge* includes, but is not limited to, any spilling, leaking, pumping, pouring, emitting, emptying, or dumping;

(c) *Marine sanitation device* includes any equipment for installation onboard a vessel and which is designed to receive, retain, treat, or discharge sewage and any process to treat such sewage;

(d) *Vessel* includes every description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on waters of the United States;

(e) *New vessel* refers to any vessel on which construction was initiated on or after January 30, 1975;

(f) *Existing vessel* refers to any vessel on which construction was initiated before January 30, 1975;

(g) *Fecal coliform bacteria* are those organisms associated with the intestines of warm-blooded animals that are commonly used to indicate the presence of fecal material and the potential presence of organisms capable of causing human disease.

**§140.2 Scope of standard.**

The standard adopted herein applies only to vessels on which a marine sanitation device has been installed. The standard does not require the installation of a marine sanitation device on any vessel that is not so equipped. The standard applies to vessels owned and operated by the United States unless the Secretary of Defense finds that compliance would not be in the interest of national security.

**§140.3 Standard.**

(a) (1) In freshwater lakes, freshwater reservoirs or other freshwater impoundments whose inlets or outlets are such as to prevent the ingress or egress by vessel traffic subject to this regulation, or in rivers not capable of navigation by interstate vessel traffic subject to this regulation, marine sanitation devices certified by the U.S. Coast Guard (see 33

## COAST PILOT 1 (Continued)

CFR part 159, published in 40 FR 4622, January 30, 1975), installed on all vessels shall be designed and operated to prevent the overboard discharge of sewage, treated or untreated, or of any waste derived from sewage. This shall not be construed to prohibit the carriage of Coast Guard-certified flow-through treatment devices which have been secured so as to prevent such discharges.

(2) In all other waters, Coast Guard-certified marine sanitation devices installed on all vessels shall be designed and operated to either retain, dispose of, or discharge sewage. If the device has a discharge, subject to paragraph (d) of this section, the effluent shall not have a fecal coliform bacterial count of greater than 1,000 per 100 milliliters nor visible floating solids. Waters where a Coast Guard-certified marine sanitation device permitting discharge is allowed include coastal waters and estuaries, the Great Lakes and inter-connected waterways, fresh-water lakes and impoundments accessible through locks, and other flowing waters that are navigable interstate by vessels subject to this regulation.

(b) This standard shall become effective on January 30, 1977 for new vessels and on January 30, 1980 for existing vessels (or, in the case of vessels owned and operated by the Department of Defense, two years and five years, for new and existing vessels, respectively, after promulgation of implementing regulations by the Secretary of Defense under section 312(d) of the Act).

(c) Any vessel which is equipped as of the date of promulgation of this regulation with a Coast Guard-certified flow-through marine sanitation device meeting the requirements of paragraph (a)(2) of this section, shall not be required to comply with the provisions designed to prevent the overboard discharge of sewage, treated or untreated, in paragraph (a)(1) of this section, for the operable life of that device.

(d) After January 30, 1980, subject to paragraphs (e) and (f) of this section, marine sanitation devices on all vessels on waters that are not subject to a prohibition of the overboard discharge of sewage, treated or untreated, as specified in paragraph (a)(1) of this section, shall be designed and operated to either retain, dispose of, or discharge sewage, and shall be certified by the U.S. Coast Guard. If the device has a discharge, the effluent shall not have a fecal coliform bacterial count of greater than 200 per 100 milliliters, nor suspended solids greater than 150 mg/l.

(e) Any existing vessel on waters not subject to a prohibition of the overboard discharge of sewage in paragraph (a)(1) of this section, and which is equipped with a certified device on or before January 30, 1978, shall not be required to comply with paragraph (d) of this section, for the operable life of that device.

(f) Any new vessel on waters not subject to the prohibition of the overboard discharge of sewage in paragraph (a)(1) of this section, and on which construction is initiated before January 31, 1980, which is equipped with a marine sanitation device before January 31, 1980, certified under paragraph (a)(2) of this section, shall not be required to comply with paragraph (d) of this section, for the operable life of that device.

(g) The degrees of treatment described in paragraphs (a) and (d) of this section are "appropriate standards" for purposes of Coast Guard and Department of Defense certification pursuant to section 312(g)(2) of the Act.

### §140.4 Complete prohibition.

(a) Prohibition pursuant to CWA section 312(f)(3): a State may completely prohibit the discharge from all vessels of any sewage, whether treated or not, into some or all of the waters within such State by making a written application to the Administrator, Environmental Protection Agency, and by receiving the Administrator's affirmative determination pursuant to section 312(f)(3) of the Act. [...]

(b) Prohibition pursuant to CWA section 312(f)(4)(A): a State may make a written application to the Administrator, Environmental Protection Agency, under section 312(f)(4)(A) of the Act, for the issuance of a regulation completely prohibiting discharge from a vessel of any sewage, whether treated or not, into particular waters of the United States or specified portions thereof, which waters are located within the boundaries of such State. Such application shall specify with particularly the waters, or portions thereof, for which a complete prohibition is desired. The application shall include identification of water recreational areas, drinking water intakes, aquatic sanctuaries, identifiable fish-spawning and nursery areas, and areas of intensive boating activities. If, on the basis of the State's application and any other information available to him, the Administrator is unable to make a finding that the waters listed in the application require a complete prohibition of any discharge in the waters or portions thereof covered by the application, he shall state the reasons why he cannot make such a finding, and shall deny the application. If the Administrator makes a finding that the waters listed in the application require a complete prohibition of any discharge in all or any part of the waters or portions thereof covered by the State's application, he shall publish notice of such findings together with a notice of proposed rule making, and then shall proceed in accordance with 5 U.S.C. 553. If the Administrator's finding is that applicable water quality standards require a complete prohibition covering a more restricted or more expanded area than that applied for by the State, he shall state the reasons why his finding differs in scope from that requested in the State's application. [...]

(ii) Waters of the State of Florida within the boundaries of the Florida Keys National Marine Sanctuary as delineated on a map of the Sanctuary at <http://www.fknms.nos.noaa.gov/>.

(c)(1) Prohibition pursuant to CWA section 312(f)(4)(B): A State may make written application to the Administrator of the Environmental Protection Agency under section 312(f)(4)(B) of the Act for the issuance of a regulation establishing a drinking water intake no discharge zone which completely prohibits discharge from a vessel of any sewage, whether treated or untreated, into that zone in particular waters, or portions thereof, within such State. Such application shall:

(i) Identify and describe exactly and in detail the location of the drinking water supply intake(s) and the

**COAST PILOT 1 (Continued)**

community served by the intake(s), including average and maximum expected amounts of inflow;

(ii) Specify and describe exactly and in detail, the waters, or portions thereof, for which a complete prohibition is desired, and where appropriate, average, maximum and low flows in million gallons per day (MGD) or the metric equivalent;

(iii) Include a map, either a USGS topographic quadrant map or a NOAA nautical chart, as applicable, clearly marking by latitude and longitude the waters or portions thereof to be designated a drinking water intake zone; and

(iv) Include a statement of basis justifying the size of the requested drinking water intake zone, for example, identifying areas of intensive boating activities.

(2) If the Administrator finds that a complete prohibition is appropriate under this paragraph, he or she shall publish notice of such finding together with a notice of proposed rulemaking, and then shall proceed in accordance with 5 U.S.C. 553. If the Administrator's finding is that a complete prohibition covering a more restricted or more expanded area than that applied for by the State is appropriate, he or she shall also include a statement of the reasons why the finding differs in scope from that requested in the State's application.

(3) If the Administrator finds that a complete prohibition is inappropriate under this paragraph, he or she shall deny the application and state the reasons for such denial.

(4) For the following waters the discharge from a vessel of any sewage, whether treated or not, is completely prohibited pursuant to CWA section 312(f)(4)(B):

(i) Two portions of the Hudson River in New York State, the first is bounded by an east-west line through the most northern confluence of the Mohawk River which will be designated by the Troy-Waterford Bridge (126th Street Bridge) on the south and Lock 2 on the north, and the second of which is bounded on the north by the southern end of Houghtaling Island and on the south by a line between the Village of Roseton on the western shore and Low Point on the eastern shore in the vicinity of Chelsea, as described in Items 2 and 3 of 6 NYCRR Part 858.4.

(ii) [Reserved]

**\$140.5 Analytical procedures.**

In determining the composition and quality of effluent discharge from marine sanitation devices, the procedures contained in 40 CFR part 136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants," or subsequent revisions or amendments thereto, shall be employed.

(40 CFR 140) 28/03

**COAST PILOT 1      33 Ed 2003      Change No. 4**

Page 8—Paragraph 143, line 8; read:

seaports. Light Lists are also available to view on the USCG Navigation Center internet site at [www.nacen.uscg.gov/pubs/lightlists/lights.html](http://www.nacen.uscg.gov/pubs/lightlists/lights.html). Mariners should refer to these publications for ...

(08/03 CG7) 28/03

Page 47—Insert in box at Part 117:

Part 157 Rules for the Protection of the Marine Environment relating to Tank Vessels Carrying Oil in Bulk.

(33 CFR 157)

28/03

Page 86—Paragraph 803, line 6 to Page 90—Paragraph 966; read:  
penalties under 33 U.S.C. 1232.

**Subpart C—Notification of Arrival, Hazardous Conditions, and Certain Dangerous Cargos****§160.201 General.**

This subpart contains requirements and procedures for submitting Notices of Arrival (NOA) and Notice of Hazardous Condition. The sections in this subpart describe:

- (a) Applicability and exemptions from requirements in this subpart;
- (b) Required information in an NOA;
- (c) Required changes to an NOA;
- (d) Methods and times for submission of an NOA and changes to an NOA;
- (e) How to obtain a waiver; and
- (f) Requirements for submission of the Notice of Hazardous Conditions.

**§160.202 Applicability.**

(a) This subpart applies to U.S. and foreign vessels bound for or departing from ports or places in the United States.

(b) This subpart does not apply to recreational vessels under 46 U.S.C. 4301 *et seq.*

(c) Unless otherwise specified in this subpart, the owner, agent, master, operator, or person in charge of a vessel regulated by this subpart is responsible for compliance with the requirements in this subpart.

(d) Towing vessels controlling a barge or barges required to submit an NOA under this subpart must submit only one NOA containing the information required for the towing vessel and each barge under its control.

**§160.203 Exemptions.**

(a) Except for reporting notice of hazardous conditions, the following vessels are exempt from requirements in this subpart:

(1) Passenger and supply vessels when they are employed in the exploration for or in the removal of oil, gas, or mineral resources on the continental shelf.

(2) Oil Spill Recovery Vessels (OSRVs) when engaged in actual spill response operations or during spill response exercises.

(3) Vessels operating upon the following waters:

(i) Mississippi River between its sources and mile 235, Above Head of Passes;

(ii) Tributaries emptying into the Mississippi River above mile 235;

(iii) Atchafalaya River above its junction with the Plaquemine-Morgan City alternate waterway and the Red River; and

(iv) The Tennessee River from its confluence with the Ohio River to mile zero on the Mobile River and all

**COAST PILOT 1 (Continued)**

other tributaries between those two points.

(b) If not carrying certain dangerous cargo or controlling another vessel carrying certain dangerous cargo, the following vessels are exempt from NOA requirements in this subpart:

(1) Vessels 300 gross tons or less, except for vessels entering any port or place in the Seventh Coast Guard District as described in 33 CFR 3.35-1(b).

(2) Vessels operating exclusively within a Captain of the Port Zone.

(3) Vessels arriving at a port or place under force majeure.

(4) Towing vessels and barges operating solely between ports or places in the continental United States.

(5) Public vessels.

(6) Except for tank vessels, U.S. vessels operating solely between ports or places in the United States on the Great Lakes.

(c) Vessels less than 500 gross tons need not submit the International Safety Management (ISM) Code Notice (Entry (7) to Table 160.206).

(d) Vessels operating solely between ports or places in the continental United States need not submit the Cargo Declaration (Customs Form 1302), (Entry (8) to Table 160.206).

(e) This section does not exempt any vessel from compliance with the U.S. Customs Service (USCS) reporting or submission requirements.

**§160.204 Definitions.**

As used in this subpart:

*Agent* means any person, partnership, firm, company or corporation engaged by the owner or charterer of a vessel to act in their behalf in matters concerning the vessel.

*Barge* means a non-self propelled vessel engaged in commerce.

*Carried in bulk* means a commodity that is loaded or carried on board a vessel without containers or labels and received and handled without mark or count.

*Certain dangerous cargo* (CDC) includes any of the following:

(1) Division 1.1 or 1.2 explosives as defined in 49 CFR 173.50.

(2) Division 1.5D blasting agents for which a permit is required under 49 CFR 176.415 or, for which a permit is required as a condition of a Research and Special Programs Administration exemption.

(3) Division 2.3 "poisonous gas", as listed in 49 CFR 172.101 that is also a "material poisonous by inhalation" as defined in 49 CFR 171.8, and that is in a quantity in excess of 1 metric ton per vessel.

(4) Division 5.1 oxidizing materials for which a permit is required under 49 CFR 176.415 or for which a permit is required as a condition of a Research and Special Programs Administration exemption.

(5) A liquid material that has a primary or subsidiary classification of Division 6.1 "poisonous material" as listed 49 CFR 172.101 that is also a "material poisonous by inhalation," as defined in 49 CFR 171.8 and that is in a bulk packaging, or that is in a quantity in excess of 20 metric tons per vessel when not in a bulk packaging.

(6) Class 7, "highway route controlled quantity" radioactive material or "fissile material, controlled shipment," as defined in 49 CFR 173.403.

(7) Bulk liquefied chlorine gas and Bulk liquefied gas cargo that is flammable and/or toxic and carried under 46 CFR 154.7.

(8) The following bulk liquids:

- (i) Acetone cyanohydrin,
- (ii) Allyl alcohol,
- (iii) Chlorosulfonic acid,
- (iv) Crotonaldehyde,
- (v) Ethylene chlorohydrin,
- (vi) Ethylene dibromide,
- (vii) Methacrylonitrile, and
- (viii) Oleum (fuming sulfuric acid).

*Charterer* means the person or organization that contracts for the majority of the carrying capacity of a ship for the transportation of cargo to a stated port for a specified period. This includes "time charterers" and "voyage charterers."

*Crewmember* means all persons carried on board the vessel to provide navigation and maintenance of the vessel, its machinery, systems, and arrangements essential for propulsion and safe navigation or to provide services for other persons on board.

*Great Lakes* means Lakes Superior, Michigan, Huron, Erie, and Ontario, their connecting and tributary waters, the Saint Lawrence River as far as Saint Regis, and adjacent port areas.

*Gross tons* means the tonnage determined by the tonnage authorities of a vessel's flag state in accordance with the national tonnage rules in force before the entry into force of the International Convention on Tonnage Measurement of Ships, 1969 ("Convention"). For a vessel measured only under Annex I of the Convention, gross tons means that tonnage. For a vessel measured under both systems, the higher gross tonnage is the tonnage used for the purposes of the 300-gross-ton threshold.

*Hazardous condition* means any condition that may adversely affect the safety of any vessel, bridge, structure, or shore area or the environmental quality of any port, harbor, or navigable waterway of the United States. It may, but need not, involve collision, allision, fire, explosion, grounding, leaking, damage, injury or illness of a person aboard, or manning-shortage.

*Nationality* means the state (nation) in which a person is a citizen or to which a person owes permanent allegiance.

*Operator* means any person including, but not limited to, an owner, a charterer, or another contractor who conducts, or is responsible for, the operation of a vessel.

*Persons in addition to crewmembers* mean any person onboard the vessel, including passengers, who are not included on the list of crewmembers.

*Port or place of departure* means any port or place in which a vessel is anchored or moored.

*Port or place of destination* means any port or place in which a vessel is bound to anchor or moor.

*Public vessel* means a vessel that is owned or demise-bareboat chartered by the government of the United States, by a State or local government, or by the government of a foreign country and that is not engaged in commercial ser-

**COAST PILOT 1 (Continued)**

vice.

*Time charterer* means the party who hires a vessel for a specific amount of time. The owner and his crew manage the vessel, but the charterer selects the ports of destination.

*Voyage charterer* means the party who hires a vessel for a single voyage. The owner and his crew manage the vessel,

but the charterer selects the ports of destination.

**§160.206 Information required in an NOA.**

(a) Each NOA must contain all of the information items specified in Table 160.206. TABLE 160.206.—NOA INFORMATION ITEMS

Required information	Vessels not carrying CDC	Vessels carrying CDC	
		Towing vessels controlling vessels carrying CDC	Towing vessels controlling vessels carrying CDC
<b>(1) Vessel Information:</b>			
(i) Name;	X	X	X
(ii) Name of the registered owner;	X	X	X
(iii) Country of registry;	X	X	X
(iv) Call sign;	X	X	X
(v) International Maritime Organization (IMO) international number or, if vessel does not have an assigned IMO international number, substitute with official number;	X	X	X
(vi) Name of the operator;	X	X	X
(vii) Name of the charterer; and	X	X	X
(viii) Name of classification society	X	X	X
<b>(2) Voyage Information:</b>			
(i) Names of last five ports or places visited;	X	X	X
(ii) Dates of arrival and departure for last five ports or places visited;	X	X	X
(iii) For each port or place in the United States to be visited, list the names of the receiving facility, the port or place, the city, and the state;	X	X	X
(iv) For each port or place in the United States to be visited, the estimated date and time of arrival;	X	X	X
(v) For each port or place in the United States to be visited, the estimated date and time of departure;	X	X	X
(vi) The location (port or place and country) or position (latitude and longitude or waterway and mile marker) of the vessel at the time of reporting; and	X	X	X
(vii) The name and telephone number of a 24-hour point of contact	X	X	X
<b>(3) Cargo Information:</b>			
(i) A general description of cargo, other than CDC, onboard the vessel (e.g.: grain, container, oil, etc);	X	X	X
(ii) Name of each certain dangerous cargo carried, including cargo UN number, if applicable; and		X	X
(iii) Amount of each certain dangerous cargo carried		X	X
<b>(4) Information for each Crewmember Onboard:</b>			
(i) Full name;	X	X	X
(ii) Date of birth;	X	X	X
(iii) Nationality;	X	X	X
(iv) Passport or mariners document number (type of identification and number);	X	X	X
(v) Position or duties on the vessel; and	X	X	X

**COAST PILOT 1 (Continued)**

(vi) Where the crewmember embarked (list port or place and country)	x	x	x
<b>(5) Information for each Person Onboard in Addition to Crew:</b>			
(i) Full name;	x	x	x
(ii) Date of birth;	x	x	x
(iii) Nationality;	x	x	x
(iv) Passport number; and	x	x	x
(v) Where the person embarked (list port or place and country)			
<b>(6) Operational condition of equipment required by §164.35 of this chapter</b>	x	x	x
<b>(7) International Safety Management (ISM) Code Notice:</b>			
(i) The date of issuance for the company's Document of Compliance certificate that covers the vessel;	x	x	x
(ii) The date of issuance for the vessel's Safety Management Certificate; and	x	x	x
(iii) The name of the Flag Administration, or the recognized organization(s) representing the vessel flag administration, that issued those certificates	x	x	x
<b>(8) Cargo Declaration (Customs Form (1302) as described in 19 CFR 4.7</b>	x	x	x

(b) Vessels operating solely between ports or places in the continental United States need submit only the name of and date of arrival and departure for the last port or places visited to meet the requirements in entries (2)(i) and (ii) to Table 160.206 of this section.

(c) You may submit a copy of INS Form I-418 to meet the requirements of entries (4) and (5) in Table 160.206.

(d) Any vessel planning to enter two or more consecutive ports or places in the United States during a single voyage may submit one consolidated Notification of Arrival at least 96 hours before entering the first port or place of destination. The consolidated notice must include the name of the port or place and estimated arrival date for each destination of the voyage. Any vessel submitting a consolidated notice under this section must still meet the requirements of §160.208 of this part concerning requirements for charges to an NOA.

**§160.208 Changes to a submitted NOA.**

(a) Unless otherwise specified in this section, when submitted NOA information changes, vessels must submit a notice of change within the times required in §160.212.

(b) Changes in the following information need not be reported:

(1) Changes in arrival or departure times that are less than six (6) hours;

(2) Changes in vessel location or position of the vessel at the time of reporting (entry (2)(vi) to Table 160.206); and

(3) Changes to crewmembers' position or duties on the vessel (entry (5)(v) to Table 160.206).

(c) When reporting changes, submit only the name of the vessel, original NOA submission date, the port of arrival, the specific items to be corrected, and the new location or position of the vessel at the time of reporting. Only changes to NOA information need to be submitted.

**§160.210 Methods for submitting an NOA.**

(a) *Submission to the National Vessel Movement Center*

(NVMC). Except as provided in paragraphs (b) and (c) of this section, all vessels required to submit NOA information in §160.206 (entries 1-7 to Table 160.206) to the NVMC, United States Coast Guard, 408 Coast Guard Drive, Kearneysville, WV, 25430, shall do so by:

- (1) Telephone at 1-800-708-9823 or 304-264-2502;
- (2) Fax at 1-800-547-8724 or 304-264-2684; or
- (3) E-mail at SANS@NVMC.USCG.gov.

**Note to paragraph (a):** Information about the National Vessel Movement Center is available on its Web site at <http://www.nvmc.uscg.gov/>. You may submit the notice using any electronic format available on the NVMC website.

(b) *Saint Lawrence Seaway transits.* Those vessels transiting the Saint Lawrence Seaway inbound, bound for a port or place in the United States, may meet the submission requirements of paragraph (a) of this section by submitting the required information to the Saint Lawrence Seaway Development Corporation and the Saint Lawrence Seaway Management Corporation of Canada by fax at 315-764-3235 or at 315-764-3200. The Cargo Declaration (Customs Form 1302) in entry (8) in Table 160.206 must be submitted electronically to the USCS, as required by paragraph (d) of this section.

(c) *Seventh Coast Guard District.* Those vessels 300 or less gross tons operating in the Seventh Coast Guard District must submit an NOA to the cognizant Captain of the Port (COTP). The Cargo Declaration (Customs Form 1302) in entry (8) in Table 160.206 must be submitted electronically to the USCS, as required by paragraph (d) of this section.

(d) *Submission to the United States Customs Service's Sea Automated Manifest System (AMS).*

(1) Beginning July 1, 2003, the Cargo Declaration (Customs Form 1302) in entry (8) in Table 160.206 must be submitted electronically to the USCS Sea AMS by one of the following methods:

- (i) By direct connection with USCS or by purchasing the proper software; or
- (ii) Using a service provider or a Port Authority.

**COAST PILOT 1 (Continued)**

(2) To become a participant in Sea AMS, submitters must provide a letter of intent to USCS prior to first submission.

**§160.212 When to submit an NOA.**

(a) *Submission of NOA.* (1) Except as set out in paragraph (a)(2) of this section, all vessels must submit NOAs within the times required in paragraph (a)(3) of this section.

(2) Towing vessels, when in control of a vessel carrying CDC and operating solely between ports or places in the continental United States, must submit an NOA before departure but at least 12 hours before entering the port or place of destination.

(3) Times for submitting NOAs areas follows:

If your voyage time is—	You must submit an NOA—
(i) 96 hours or more; or	Before departure but at least 96 hours before entering the port or place of destination; or
(ii) Less than 96 hours	Before departure but at least 24 hours before entering the port or place of destination.

(b) *Submission of changes to NOA.* (1) Except as set out in paragraph (b)(2) of this section, vessels must submit changes in NOA information within the times required in paragraph (b)(3) of this section.

(2) Towing vessels, when in control of a vessel carrying CDC and operating solely between ports or places in the continental United States, must submit changes to an NOA as soon as practicable but at least 6 hours before entering the port or place of destination.

(3) Times for submitting changes to NOAs are as follows:

If your remaining voyage time is—	Then you must submit changes to an NOA—
(i) 96 hours or more;	As soon as practicable but at least 24 hours before entering the port or place of destination;
(ii) Less than 96 hours but not less than 24 hours; or	As soon as practicable but at least 24 hours before entering the port or place of destination;
(iii) Less than 24 hours	As soon as practicable but at least 12 hours before entering the port or place of destination.

(c) *Submission of the Cargo Declaration (Customs Forms 1302).* (1) Except as set out in paragraph (c)(2) of this section, all vessels must submit to USCS the Cargo Declaration (Customs Form 1302) in entry (8) to Table 160.206, within the times required in paragraph (a)(3) of this section.

(2)(i) Except for vessels carrying containerized cargo or break bulk cargo, vessels carrying bulk cargo may submit

the Cargo Declaration (Customs Form 1302). Entry (8) to Table 160.206) before departure but at least 24 hours before entering the U.S. port or place of destination.

(ii) Vessels carrying break bulk cargo operating under a USCS exemption granted under 19 CFR 4.7(b)(4)(ii) may, during the effective period of the USCS exemption submit the Cargo Declaration (Customs Form 1302), (Entry (8) to Table 160.206) before departure but at least 24 hours before entering the U.S. port or place of destination.

**§160.214 Waivers.**

The Captain of the Port may waive, within that Captain of the Port's designated zone, any of the requirements of this subpart for any vessel or class of vessels upon finding that the vessel, route area of operations, conditions of the voyage, or other circumstances are such that application of this subpart is unnecessary or impractical for purposes of safety, environmental protection, or national security.

**§160.215 Notice of hazardous conditions.**

Whenever there is a hazardous condition either aboard a vessel or caused by a vessel or its operation, the owner, agent, master, operator, or person in charge shall immediately notify the nearest Coast Guard Marine Safety Office or Group Office. (Compliance with this section does not relieve responsibility for the written report required by 46 CFR 4.05-10.)

(FR 2/28/03; FR 5/22/03)

28/03

Page 397—Paragraph 24; read:

Distances Between United States Ports (available on the internet only at <http://chartmaker.ncd.noaa.gov/nsd/ports.html>)

(01/03 CG7)

28/03

**COAST PILOT 2**

**32 Ed 2003      Change No. 10  
LAST NM 26/03**

Page 369—Paragraph 156, lines 5 to 10; read:

channel is marked by buoys. In June 2002, the channel had a depth of 6 feet except for shoaling to 3.7 feet along the west edge of the channel, just north of Buoy 7. In July 2002, depths of 7 to 9 feet were available inside the bay to the bridge near the head of navigation except for shoaling to 2 feet along the edges. A private ...

(BPs 180049-52; NOS 12350;

CEM-New York 1986)      28/03

Page 396—Paragraph 132, lines 6 to 9; read:

In October 2002, the controlling depth was 13.5 feet from the entrance to the highway bridge about 1.1 miles above the mouth; thence in 1982-October 2002, 10 feet to the southwest end of Gumaer Island, thence 4.8 feet to the head of the dredged channel ...

(BPs 180357-61; NOS 12347)

28/03

Page 396—Paragraph 140, lines 4 to 5; read:

miles above the entrance. In June 2002, the controlling depth

## **SECTION II**

**NM 28/03**

### **COAST PILOT 2 (Continued)**

was 3.7 feet (6.0 feet at midchannel) to ...

(BP 180362)

28/03

Page 397—Paragraph 144, lines 3 to 4; read:

the mouth. In October 2002, the centerline controlling depth  
was 5.9 feet to about 100 yards below the highway bridge,  
0.9 mile ...

(BPs 180363-64; NOS 12347)

28/03

Bur Safaga Berthing Information (2003)					
Berth	Berthing length	Charted depth	Maximum vessel		Usage
			Length	Draft	
No. 1	290m	14.0m	250m	12.8m	Bulk
No. 2	415m	10.0m	290m	9.15m	General/passenger
No. 3	281m	10.0m	221m	9.45m	Aluminum
Oil	60m	11.9m			Oil
Phosphate	260m	8.5m	260m	14.0m	Private facility

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
540 13585	Great Round Shoal Channel Entrance Lighted Whistle Buoy GRS	41 26 08 N 69 43 18 W	Mo (A) W		6	Red and white stripes with red spherical topmark.	RACON: G (- - •).
		*					28/03
21260	- (Middle Ground) Light	41 03 35 N 73 06 05 W	Fl W 5s	60	13	Gray, granite octagonal tower projection from house on pier.	HORN: 1 blast ev 15s (2s bl).
		*					28/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9165	BOHEMIA RIVER LIGHT 2	39 28 32 N 75 53 11 W	Fl R 4s	15	4	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
		*					28/03
9665	- CREEK LIGHT 2CI	36 52 51 N 76 20 28 W	Q R	19	5	TR on pile.	
		*					28/03
10145	- LIGHT 6	36 54 37 N 76 05 29 W	Fl R 2.5s	15	3	TR on pile.	
		*					28/03

#### Deep Creek Channel

11470	DEEP CREEK JUNCTION LIGHT		Fl (2+1) R 6s	15	3	JR on multi-pile structure.	
			*				28/03
11855	- LIGHT 6	37 09 55 N 76 36 48 W	Fl R 4s	15	3	TR on pile.	Ra ref.
		*					28/03

#### MOBJACK BAY AND YORK RIVER ENTRANCE (Chart 12238)

##### Back River

12910	- ENTRANCE LIGHT 1BR	37 05 37 N 76 15 04 W	Fl G 4s	15	4	SG on multi-pile structure.	
		*					28/03
13080	- CHANNEL LIGHT 18		Q R	15	4	TR on pile.	
		*					28/03
13100	- CHANNEL LIGHT 25		Fl G 2.5s	15	3	SG on multi-pile structure.	
		*					28/03
13105	- CHANNEL LIGHT 27		Fl G 4s	15	4	SG on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
		*					28/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13175	- ENTRANCE LIGHT 6		Fl R 4s	15	3	TR on pile.	
					*		28/03
13235	- LIGHT 15		Fl G 2.5s	15	3	SG on pile.	Light equipment removed from Dec. 1 to Mar. 15.
					*		28/03
<b>Rhode River</b>							
19515	- ENTRANCE LIGHT 2	38 52 01 N 76 30 47 W	Fl R 4s	15	3	TR on multi-pile structure.	
		*					28/03
<b>Rock Creek</b>							
20370	WHITE ROCKS LIGHT	39 10 26 N 76 29 17 W	Fl W 4s	19	7	Black house on concrete foundation.	
		*					28/03
<b>Jones Creek</b>							
20505	- LIGHT 1 Off end of shoal.	39 12 54 N 76 27 08 W	Fl G 2.5s	15	4	SG on pile.	Light equipment removed from Dec. 1 to Mar. 15.
		*					*
							28/03
20515	NORTH POINT CREEK LIGHT 2	39 13 08 N 76 26 29 W	Fl R 4s	15	4	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
		*					28/03
20540	- Warning Daybeacon					NW on pile worded DANGER SUBMERGED PILES.	
						*	28/03
20690	LONG POINT LIGHT 5	39 14 41 N 76 29 34 W	Fl G 4s	15	4	SG on pile.	
		*					28/03
21300	- LIGHT 13	39 15 19 N 76 36 40 W	Q G	15	3	SG on pile.	Higher intensity beam down channel.
		*					28/03
28595	COLINGTON CUT ENTRANCE LIGHT 2	35 59 50 N 75 41 39 W	Fl R 2.5s	15	4	TR on pile.	
					*		28/03
28730	- LIGHT 11	35 11 56 N 75 44 20 W	Fl G 4s	15	4	SG on multi-pile structure.	Ra ref.
					*		28/03
28840	- LIGHT 36		Fl R 6s	15	4	TR on pile.	
					*		28/03
28850	- LIGHT 39		Fl G 2.5s	15	3	SG on multi-pile structure.	
					*		28/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
28865	- LIGHT 42RC		Fl R 2.5s	15	5	TR on multi-pile structure.	Ra ref.
					*		*
							28/03
28955	- Lighted Buoy 20		Fl R 2.5s	4	Red.		
					*		28/03
28962	- Lighted Buoy 24		Fl R 2.5s	3	Red.		
					*		28/03
28964	- Lighted Buoy 27	35 04 47 N 76 00 18 W	Q G	3	Green.		
					*		28/03
28965	- LIGHT 29		Fl G 4s	15	4	SG on pile.	
					*		28/03
28970	- LIGHT 30		Fl R 4s	15	3	TR on pile.	Ra ref.
					*		28/03
31380 37055	- ENTRANCE LIGHT AS	36 03 44 N 75 56 08 W	Mo (A) W	16	6	MR-I on multipile structure.	Higher intensity beam up and down channel.
					*		28/03
37055 31380	- ENTRANCE LIGHT AS	36 03 44 N 75 56 08 W	Mo (A) W	16	6	MR-I on multipile structure.	Higher intensity beam up and down channel.
					*		28/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6985 37725	- LIGHT 44		Fl R 4s	16	4	TR-SY on pile.	
					*		28/03
7007	- Lighted Buoy 44A		Fl R 6s	20		Red with yellow square.	Maintained by U.S. Navy.
		*			*		28/03
<b>*Delete Headings:</b>							
<b>*CUMBERLAND SOUND - FERNANDINA HARBOR TO KINGS BAY (Chart 11503)</b>							
<b>*Cumberland Sound</b>							
<b>*Kings Bay</b>							
7009	- Lighted Buoy 45A		Fl G 6s	20		Green with yellow triangle.	Maintained by U.S. Navy.
		*			*		28/03
<b>St. Johns River</b>							
8020	FORRESTER POINT LIGHT 42	29 41 42 N 81 38 12 W	Fl R 2.5s	16		TR on dolphin.	
		*	*		*		28/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8025	FORRESTER POINT MIDDLE RANGE REAR LIGHT 295 yards, 353.1° from front light.						<i>Remove from list.</i>
							*
							28/03
	<b>*Add Heading:</b> <b>*Shelter Bay</b>						
*15153.1	- Daybeacon 1	24 43 36 N 81 01 31 W			SG on pile.	Private aid.	
							28/03
*15153.3	- Daybeacon 3				SG on pile.	Private aid.	
							28/03
*15153.5	- Daybeacon 5				SG on pile.	Private aid.	
							28/03
*15153.7	- Daybeacon 7				SG on pile.	Private aid.	
							28/03
	<b>*Add Heading:</b> <b>*Key West Southwest Channel</b>						
15155	- Wreck Lighted Buoy WR5	24 32 36 N Q G 81 49 36 W		3	Green.		
							28/03
16490	- Daybeacon 6					<i>Remove from list.</i>	
							*
							28/03
16495	- Daybeacon 7					<i>Remove from list.</i>	
							*
							28/03
16545	- Daybeacon 18					<i>Remove from list.</i>	
							*
							28/03
16550	- Daybeacon 20					<i>Remove from list.</i>	
							*
							28/03
16650	- Daybeacon 51					<i>Remove from list.</i>	
							*
							28/03
16655	- Daybeacon 53					<i>Remove from list.</i>	
							*
							28/03
	<b>*Add Heading:</b> <b>*Baywinds Channel</b>						
*19347.1	- Daybeacon 1	26 22 52 N 81 50 08 W		SG on pile.	Private aid.		
							28/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*19347.2	- Daybeacon 2				TR on pile.		Private aid. 28/03
*19347.3	- Daybeacon 3				SG on pile.		Private aid. 28/03
*19347.4	- Daybeacon 4				TR on pile.		Private aid. 28/03
*19347.5	- Daybeacon 5				SG on pile.		Private aid. 28/03
*19347.8	- Daybeacon 8				TR on pile.		Private aid. 28/03
*19347.9	- Daybeacon 9				SG on pile.		Private aid. 28/03
*19349	- Daybeacon 10				TR on pile.		Private aid. 28/03
*19349.1	- Daybeacon 11				SG on pile.		Private aid. 28/03
*19349.2	- Daybeacon 12				TR on pile.		Private aid. 28/03
<b>*Add Headings:</b>							
*FORT MYERS TO CHARLOTTE HARBOR AND WIGGINS PASS (Chart 11427)							
*San Carlos Bay							
*Spring Creek							
19350	- Daybeacon 6				TR on pile.		Private aid. 28/03
21585.5	- Channel Buoy 2A						Remove from list. *
21590	- Channel Buoy 3						Remove from list. *
21615	- Channel Daybeacon 6						Remove from list. *
25980	- LIGHT 2	28 03 19 N 82 49 51 W	Fl R 4s	16	TR on pile.		Private aid. 28/03
30490.5	- Daybeacon 14	*	*	*	16	TR on pile.	28/03
		*	*	*		*	

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
30580.4	- Buoy 43						<i>Remove from list.</i>
							*
							28/03
31710	PUNTA CONEJO LIGHT						<i>Remove from list.</i>
							*
							28/03
<b>GUANTANAMO BAY (Chart 26230)</b>							
Guantanamo Bay							
33370	WINDWARD POINT LIGHT	19 53 42 N 75 09 36 W	Fl W 6s	378	9	On skeleton tower.	
				*			
							28/03
37717	- Lighted Buoy 45A		Fl G 6s	20		Green with yellow triangle.	Maintained by U.S. Navy.
				*			
							28/03
<b>*Delete Headings:</b>							
<b>*ST. SIMONS SOUND TO TOLOMATO RIVER (Chart 11489)</b>							
<b>*St. Simons Sound-Fernandina Beach</b>							
<b>*Kings Bay</b>							
37719	- Lighted Buoy 44A		Fl R 6s	20		Red with yellow square.	Maintained by U.S. Navy.
				*			
					*		28/03
37725 6985	- LIGHT 44	30 47 03 N 81 29 28 W	Fl R 4s	16	4	TR-SY on pile.	
					*		
							28/03
46345	- Buoy 7					Green can.	Private aid.
				*			
							28/03
46350	- Buoy 8					Red nun.	Private aid.
				*			
							28/03
<b>*Add Heading:</b>							
<b>*Intracoastal Yacht Club Channel</b>							
*47737.1	- Daybeacon 7	25 55 58 N 80 07 40 W				SG on pile.	Private aid.
							28/03
*47737.2	- Daybeacon 8					TR on pile.	Private aid.
							28/03
*47737.3	- Daybeacon 9					SG on pile.	Private aid.
							28/03
*47737.4	- Daybeacon 10					TR on pile.	Private aid.
							28/03
*47737.5	- Daybeacon 11					SG on pile.	Private aid.
							28/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*47737.6	- Daybeacon 12				TR on pile.		Private aid. 28/03
*47737.7	- Daybeacon 13				SG on pile.		Private aid. 28/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. JOSEPH AND ST. ANDREW BAYS (Chart 11389)</b>							
130 2925	St. Joseph Bay Light and Entrance Range A Rear Light	29 55 06 N 85 22 50 W	Iso W 6s	78	13	KRW on skeleton tower.	
	*						28/03
<b>APALACHEE BAY (Chart 11405)</b>							
<b>Apalachee Bay</b>							
1730	SHELL POINT LIGHT	30 02 25 N 84 17 30 W	Fl W 6s	17	5	NG on pile.	
	*						28/03
2925 130	St. Joseph Bay Light and Entrance Range A Rear Light	29 55 06 N 85 22 50 W	Iso W 6s	78		KRW on skeleton tower.	
	*						28/03
<b>*Add Heading: *14 Mile R/R Bridge Mooring Dolphin</b>							
5521	- LIGHT A	30 51 02 N 87 57 17 W	Fl (2) R 6s			On dolphin.	
	*	*					28/03
5522	- LIGHT B	30 51 00 N 87 57 12 W	Fl (2) R 6s			On dolphin.	
	*						28/03
5523	- LIGHT C	30 49 18 N 87 57 18 W	Fl G 4s			On dolphin.	
	*						28/03
5524	- LIGHT D	30 49 18 N 87 57 18 W	Fl G 4s			On dolphin.	
	*						28/03
<b>*Add Heading: *Mobile River</b>							
5525	TOMBIGBEE-ALABAMA RIVER JUNCTION LIGHT LDB mile 45.1		Fl (2+1) R 6s	5	JR on skeleton tower on piles.	Ra ref.	
							28/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Hollingers Island Channel</b>							
6340	- LIGHT A		Fl W 6s	17	5	TR on pile.	Ra ref.
			*		*		28/03
12655	- ENTRANCE EAST RANGE FRONT LIGHT						Remove from list. *
							28/03
12657	- ENTRANCE EAST RANGE FRONT PASSING LIGHT						Remove from list. *
							28/03
12660	- ENTRANCE EAST RANGE REAR LIGHT 508 yards, 359.9° from front light.						Remove from list. *
							28/03
13655 33210	GRETNA HARBOR TRAFFIC CONTROL LIGHT 97 RDB mile 96.6.	29 55 31 N 90 03 06 W	Fl R 5s or Fl G 5s		6	On skeleton tower.	Operated by Coast Guard Marine Safety Office New Orleans during periods of high water. Controls one way traffic around Algiers Point. *
							28/03
13660 33215	GRETNA LIGHT 97 RDB mile 96.6.		Fl G 4s	37	6	SG-SY on skeleton tower on same structure as Gretna Harbor Traffic Control Light.	Not operated when traffic control lights are in operation. *
							28/03
*15013	- Buoy 20					Red nun.	
							28/03
15020	- LIGHT 22	29 09 08 N 89 23 48 W	Fl R 4s	15	3	TR on pile.	Ra ref.
		*					28/03
15055	- Daybeacon 30					TR on pile.	Ra ref.
							*
17210	- LIGHT 5 40 feet outside channel limit.		Fl G 4s	17	4	SG on pile.	Ra ref.
							*
22940	- WRECK LIGHT WR	29 25 24 N 94 50 03 W	Fl W 2.5s	17	5	NG on pile.	
		*			*		28/03
24020	UPPER RED LIGHT BEND OUTBOUND RANGE REAR LIGHT 215 yards, 180° from front light.		Iso G 6s	38		KRW on skeleton tower on piles. Visible on range line only. On same structure as Lower Red Light Bend Inbound Range Front Light.	
							*
							28/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
24630	- LIGHT 9		Fl G 4s	17	4	SG on dolphin.	
				*			28/03
25653	FREEPORT JETTY INBOUND RANGE FRONT PASSING LIGHT		Q W	10	5	On same structure as Freeport Jetty Inbound Range Front Light.	
				*			28/03
25690	FREEPORT HARBOR OUTBOUND RANGE FRONT LIGHT	28 56 36 N 95 18 10 W	Q R	35		KRW on skeleton tower.	Visible 2° each side of rangeline.
				*			28/03
27985	- LIGHT 5 30 feet outside channel limit.		Fl G 4s	17	4	SG on pile.	
				*			28/03
27990	- LIGHT 4 30 feet outside channel limit.		Fl R 4s	17	3	TR on pile.	
				*			28/03
27995	- LIGHT 7 30 feet outside channel limit.	26 33 46 N 97 17 28 W	Fl G 6s	17	4	SG on pile.	
				*			28/03
29630	EAST BAY LIGHT 43		Fl G 4s	17	4	SG-SY on dolphin.	
				*			28/03
31555	- LIGHT 144 100 feet outside channel limit.		Fl R 4s	17	4	TR-TY on pile.	
				*			28/03
33210 13655	GRETNA HARBOR TRAFFIC CONTROL LIGHT 97 RDB mile 96.6.	29 55 31 N 90 03 06 W	Fl R 5s or Fl G 5s		6	On skeleton tower.	Operated by Coast Guard Marine Safety Office New Orleans during periods of high water. Controls one way traffic around Algiers Point.
				*			28/03
33215 13660	GRETNA LIGHT 97 RDB mile 96.6.		Fl G 4s	37	6	SG-SY on skeleton tower on same structure as Gretna Harbor Traffic Control Light.	Not operated when traffic control lights are in operation.
				*			28/03
33770	CALCASIEU-SABINE WEST LIGHT 2		Fl R 4s	17	4	TR-TY on pile.	
				*			28/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
34360	- LIGHT 18	29 18 34 N 94 52 21 W	Fl R 4s	17	4	TR-TY on pile.	Ra ref.
		*		*			28/03
34605	- RANGE C REAR LIGHT 835 yards, 029.3° from front light.		Iso R 6s	35		KRW-I on skeleton tower on piles.	Visible on range line only.
				*			28/03
34800	- RANGE D REAR LIGHT 835 yards, 209.3° from front light.		Iso G 6s	40		KRW-I on skeleton tower.	Visible on range line only.
				*			28/03
<b>Port O' Connor Channel</b>							
36020	- LIGHT 1		Fl G 4s	20	4	SG-SY on skeleton tower.	Higher intensity beam up and down channel.
				*	*		28/03

### ESPIRITU SANTO BAY TO CARLOS BAY (Chart 11315)

#### Port O' Connor - Corpus Christi

##### Espiritu Santo Bay Ferry Channel

36045	- LIGHT 1	28 24 34 N 96 28 45 W	Fl G 4s	17	4	SG-SY on pile.	Ra ref.
		*		*			28/03
37000	NINEMILE POINT LIGHT NP		Fl W 6s	17	5	NR on pile.	Ra ref.
				*			28/03
38560	- LIGHT 137	27 26 39 N 97 20 22 W	Fl G 4s	17	4	SG-SY on pile.	Ra ref.
		*		*			28/03
38710	- LIGHT 185		Fl G 4s	17	4	SG-SY on pile.	Ra ref.
				*			28/03
39055	- LIGHT 27 60 feet outside channel limit.		Fl G 4s	17	4	SG-SY on pile.	
				*			28/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
325	NOAA Environmental Lighted Buoy 46012	37 21 39 N 122 52 54 W	Fl (4) Y 20s			Yellow disc-shaped buoy.	
		*					28/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3940	- <i>Lighted Whistle Buoy EB</i>						Remove from list.
						*	28/03
*4155	<i>Colorado Reef Lighted Buoy CR</i>	37 31 14 N 122 31 36 W	Fl R 2.5s		5	Red.	
							28/03
6208	- Daybeacon 36	38 17 12 N 122 17 00 W		15		TR on pile.	
		*					28/03
*6209	- Light 38	38 17 23 N 122 16 58 W	Fl R 4s	15	3	TR on pile.	
							28/03
*Delete Headings: *SAN PABLO BAY (Chart 18654) *Napa River							
6210	- LIGHT 20	38 17 33 N 122 16 53 W	Fl R 4s	15	3	TR on pile.	
		*					28/03
*6210.1	- Light 42	38 17 42 N 122 16 57 W	Fl R 4s	15	3	TR on pile.	
							28/03
<b>FRANKLIN D. ROOSEVELT LAKE (Southern Part) (Chart 18551)</b>							
<b>Franklin D. Roosevelt Lake</b>							
<i>Aids maintained from Jun. 15 to Oct. 1.</i>							
14125	- LIGHT A	47 56 48 N 118 56 12 W	Fl W 4s	12	6	NR on box.	
					*		28/03
14135	- LIGHT B		Fl W 6s	14	6	NR on box.	
		*			*		28/03
14140	- LIGHT C		Fl W 2.5s	16	6	NR on box.	
		*			*		28/03
14150	- LIGHT D		Fl W 4s	20	6	NR on box.	
					*		28/03
14170	- LIGHT E		Fl W 6s	16	6	NR on box.	
		*			*		28/03
14175	- LIGHT F		Fl W 2.5s	18	6	NR on box.	
		*			*		28/03
14180	- LIGHT G		Fl W 4s	18	6	NR on box.	
					*		28/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14190	- LIGHT H		Fl W 6s	16	6	NR on box.	
			*			*	28/03
14195	- LIGHT I		Fl W 2.5s	16	6	NR on box.	
			*			*	28/03
14200	- LIGHT J		Fl W 4s	12	6	NR on box.	
						*	28/03
14205	- LIGHT K		Fl W 6s	23	6	NR on box.	
			*			*	28/03
14215	- LIGHT A	47 56 18 N 118 15 24 W	Fl W 4s	44	6	NR on skeleton tower.	
						*	28/03
14220	- LIGHT B	47 56 48 N 118 12 48 W	Fl W 6s	16	6	NR on skeleton tower.	
			*			*	28/03
14225	- LIGHT C	47 53 24 N 118 04 12 W	Fl W 2.5s	15	6	NR on pile.	
			*			*	28/03
14240	- LIGHT D	47 47 48 N 118 04 12 W	Fl W 4s	16	6	NR on platform.	
						*	28/03
14250	- LIGHT 5		Fl W 6s	15	4	SG on skeleton tower.	
			*				28/03
14265	- LIGHT L		Fl W 2.5s	8	6	NR on box.	
			*			*	28/03
14275	- LIGHT M		Fl W 4s	12	6	NR on box.	
						*	28/03
14280	- LIGHT N		Fl W 6s	16	6	NR on box.	
			*			*	28/03
14285	- LIGHT O	48 02 48 N 118 22 18 W	Fl W 2.5s	18	6	NR on box.	
			*			*	28/03
14290	- LIGHT P		Fl W 4s	14	6	NR on box.	
						*	28/03
14295	- LIGHT Q		Fl W 6s	16	6	NR on box.	
			*			*	28/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14300	- LIGHT R		Fl W 2.5s	12	6	NR on box.	
			*			*	28/03
<b>FRANKLIN D. ROOSEVELT LAKE (Northern Part) (Chart 18553)</b>							
<b>Franklin D. Roosevelt Lake</b>							
<i>Aids maintained from Jun. 15 to Oct. 1.</i>							
14305	- LIGHT T		Fl W 4s	10	6	NR on box.	
			*			*	28/03
14310	- LIGHT U		Fl W 6s	12	6	NR on box.	
			*			*	28/03
14315	- LIGHT V		Fl W 2.5s	15	6	NR on box.	
			*			*	28/03
14320	- LIGHT W		Fl W 4s	8	6	NR on crib.	
			*			*	28/03
14330	- LIGHT X		Fl W 6s	16	6	NR on box.	
			*			*	28/03
14335	- LIGHT Y	48 26 48 N 118 12 48 W	Fl W 2.5s	15	6	NR on house.	
			*			*	28/03
14340	- LIGHT Z						<i>Remove from list.</i>
							*
14350	- LIGHT BB		Fl W 6s	10	6	NR on box.	
			*			*	28/03
14360	- LIGHT CC		Fl W 2.5s	30	6	NR on box.	
			*			*	28/03
17800	- LIGHT 8	47 48 48 N 122 42 52 W	Fl R 4s	15	5	TR on dolphin.	
			*			*	28/03
17820	- LIGHT 10	47 45 03 N 122 45 19 W	Fl R 4s	16	5	TR on multi-pile structure.	Light obscured from 029° to 170°.
			*			*	28/03
19755	PEARL ISLAND DOCK LIGHT	48 37 02 N 123 09 39 W	FY	18		On pile.	Private aid.
			*				28/03
28025	Pepeekeo Point Light	19 50 48 N 155 04 54 W	Oc W 4s	147	13	NB on steel monopole. 75	
			*				28/03

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## SECTION II

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### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

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(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
30695	- Entrance Lighted Buoy 2						Remove from list.  * 28/03

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### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003

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(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LORAIN HARBOR (Chart 14841)</b>							
<b>Lorain Harbor</b>							
4320	- LIGHT	41 28 54 N 82 11 42 W	Fl W 6s	60 18	21	On tower.	HORN: 1 blast ev 30s (3s bl). Operates from Apr. 15 to Nov. 15.  * 28/03

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## SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
736 <i>H 0035.4</i>	Mission Lake, Chesterfield Inlet.	63° 20.5' N 90° 41.4' W	Fl.W. period 6s fl. 1s, ec. 5s	52 <b>16</b>	9	Square skeleton tower, fluorescent orange rectangular daymark; 30.	Radar reflector.  *
							28/03
740 <i>H 0024</i>	Dunne Foxe Island.	62° 15.3' N 92° 00.3' W	Fl.W. period 6s fl. 1s, ec. 5s	71 <b>22</b>	8	Square skeleton tower; 30.	Radar reflector.  *
							28/03
760 <i>H 0026</i>	-Harbor, E. side.	58° 46.5' N 94° 11.3' W	Fl.W.R. period 6s fl. 1s, ec. 5s	218 <b>66</b>		On grain elevator; 201.	
							*
							28/03
2884 <i>H 1899</i>	Whale Head Anchorage Range, Vatcher Island, NW. side, front.	50° 39.6' N 59° 12.0' W	F.W.	20 <b>6</b>	15	Square skeleton tower, fluorescent orange daymark, black stripe; 20.	Visible on range line only. Operates at night only.  *
							*
2888 <i>H 1899.1</i>	-Rear, 110.4 meters 001°08' from front.	50° 39.7' N 59° 12.0' W	F.W.	41 <b>12</b>	15	Square skeleton tower, fluorescent orange daymark, black stripe; 16.	Visible on range line only. Operates at night only.  *
							*
							28/03
2892 <i>H 1899.7</i>	Whale Head center Range, front.	50° 39.7' N 59° 14.2' W	F.R.	20 <b>6</b>	13	Square skeleton tower, fluorescent orange daymark, black stripe; 10.	Visible on range line only. Operates at night only.  *
							*
							28/03
2896 <i>H 1899.8</i>	-Rear, about 422 meters 293°34' from front.	50° 39.8' N 59° 14.5' W	F.R.	36 <b>11</b>	13	Square skeleton tower, fluorescent orange daymark, black stripe; 20.	Visible on range line only. Operates at night only.  *
							*
							28/03
2900 <i>H 1899.4</i>	Ile du Grand Rigolet Range, front.	50° 40.8' N 59° 14.6' W	F.G.	28 <b>8</b>	13	Square skeleton tower, fluorescent orange daymark, black stripe; 20.	Visible on range line only. Operates at night only.  *
							*
							28/03
2904 <i>H 1899.5</i>	-Rear, about 96.4 meters 330°04' from front.	50° 40.9' N 59° 14.7' W	F.G.	66 <b>20</b>	13	Square skeleton tower, fluorescent orange daymark.	Visible on range line only. Operates at night only.  *
							*
							28/03
2908 <i>H 1899.9</i>	-Wharf, seaward end.	50° 40.8' N 59° 14.4' W	Fl.Y. period 6s fl. 1s, ec. 5s	27 <b>8</b>	7	Square skeleton tower; 20.	Operates at night only.  *
							28/03
3224 <i>H 1992.5</i>	-Pointe au Corbeau.	50° 09.0' N 66° 25.5' W	Fl.G. period 6s fl. 1s, ec. 5s	56 <b>17</b>	6	Square skeleton tower, orange rectangular daymark; 20.	Operates at night only.  *
							*
							28/03

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## SECTION II

### CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3233 -Iron Ore Co. Wharf No. "2", W. <i>H 1994.92</i>	end.	50° 11.4' N 66° 22.3' W	F.Y.	43 13		Round mast; 30.	Operates at night only. Private light.
			*			*	*
8072 East Point. <i>H 0920</i>		46° 27.1' N 61° 58.3' W	Fl.W. period 5s	100 30	11	White octagonal tower; 64.	Emergency light.
			*			*	*
8192 Prim Point. <i>H 0982</i>		46° 03.0' N 63° 02.4' W	Fl.W. period 5s fl. 1s, ec. 4s	68 21	20	White round tower; 60.	
			*			*	28/03
8490 -Wharf, outer end. <i>H 0910</i>		47° 14.1' N 61° 50.0' W	F.W.R.G.	14 4	5	White square tower; 10.	R. 305°-322°50', W.-325°50', G.-007°. W. sector indicates preferred channel. Operates at night only. Seasonal.
			*		*	*	*
8664 Cape George. <i>H 1234</i>		45° 52.4' N 61° 54.1' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	398 121	15	White structure; 45.	
			*		*	*	28/03
11320 -Chocolate Cove. <i>H 4146.6</i>							Remove from list.
							*
16790.5 -E-10 Rear, 530 meters <i>J 6192.1</i>	301°54' from front.	11° 03.4' N 74° 50.5' W	Fl.G. period 2s	75 23	10	White tower, white rectangular daymark, red stripe.	Visible 298°-306°.
			*		*	*	*
18414 -BACS(E). <i>G 0382.4</i>		22° 52.5' S 43° 08.1' W	F.Y.	16 5	6	White masonry structure, gray edge; 10.	
			*		*	*	28/03
18416 -BACS(W). <i>G 0382.5</i>		22° 52.4' S 43° 07.9' W	F.Y.	16 5	6	Green metal column; 10.	
			*		*	*	28/03

### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4604 -Steeple Rock. <i>K 4011</i>		41° 19.5' S 174° 50.7' E	Iso.W.R. period 6s	23 7	W. 9 R. 8	White round tower, red band.	W. 133°-190°, R.-015°.
		*	*		*		*
4606 -Falcon Shoals. <i>K 4012</i>		41° 18.3' S 174° 51.0' E	Fl.R. period 3s	20 6	3	Red masi on black and white pile.	
		*	*		*		28/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4728 K 4066.2	Ohau Point.	41° 14.6' S 174° 38.7' E	Fl.(2)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	340 104	8	White metal tower; 13.	Visible 094°-shore at Makara Bay.
		*	*		*		28/03
5285 K 4315	-Akaroa Harbor Range, front.	43° 49.2' S 172° 54.2' E	F.G.	27 8	7	Wooden mast; 23.	
		*			*		28/03
5286 K 4315.1	-Rear, 0.88 mile 331°20' from front.	43° 48.2' S 172° 53.4' E	F.G.	272 83	7	Wooden pole; 23.	
		*			*		28/03
5324 K 4328.1	-Middle, 982 meters 267°10' from front.	44° 23.1' S 171° 14.8' E	Dir.W.R.G.	82 25	W. 21 R. 17 G. 17	Beacon, orange triangular daymark; 14.	F.G. 264°30'-266°-266°42', W. phase increasing with bearing, F.W.-267°30', Al.W.R.-268°12', R. phase increasing with bearing, F.R.-269°42'.
		F.G. (neon)		82 25	10		
		*		*			28/03
5352 K 4352	-Near Oamaru Creek.						Remove from list.
							*
							28/03

### OAMARU:

5356 K 4350	-Holmes wharf.	45° 06.4' S 170° 58.7' E	F.G.	13 4	2	Lamp post.	
		*			*		28/03
5358 K 4348	-Breakwater, head.	45° 06.4' S 170° 58.8' E	Fl.R. period 5s	25 8	5	Framework tower.	
		*			*		28/03

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3300 F 7096.5	-Hime Saki, S. side.	38° 04.5' N 138° 34.4' E	Fl.(2)R. period 5s	43 13	5	Red cylindrical concrete tower; 32.	
*		*	*	*	*		28/03
3312 F 7100.2	-Akadomari Ko, breakwater, head.	37° 52.1' N 138° 25.2' E	Fl.(2)G. period 7s	39 12	7	White tower; 31.	
		*		*	*		28/03
6608 F 6017	-No. "2" breakwater.	34° 04.3' N 136° 12.3' E	Iso.G. period 6s	46 14	5	White pyramidal concrete tower; 31.	
		*		*			28/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
 Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*16429 <i>F 4456.2</i>	Gisamun Hang.	38° 00.4' N 128° 44.0' E	Fl.R. period 6s	36 11	5	Red square steel tower; 21.	28/03
*16430 <i>F 4455.6</i>	Dongsan Hang.	37° 58.7' N 128° 45.8' E	Fl.R. period 4s	36 11	5	Red square steel tower; 21.	28/03
*17533.5 <i>F 4279.36</i>	Galdu Hang.	34° 17.9' N 126° 31.8' E	Fl.G. period 5s	46 14	8	White square concrete tower; 36.	28/03
*17551.8 <i>F 4247.6</i>	Turyang-do.	34° 21.1' N 125° 53.9' E	Fl.(2)W. period 10s	39 12	8	ISOLATED DANGER BRB, beacon, topmark; 39.	28/03
*17746.5 <i>F 4206.85</i>	Pian-do.	35° 43.6' N 126° 27.6' E	Fl.W. period 6s	56 17	8	White round concrete tower; 32.	28/03
17910.6 <i>F 4158.7</i>	-Haejon "A".	37° 00.1' N 126° 46.7' E	Fl.Y. period 4s	30 9	7	Yellow square metal tower; 13.  Horn: (650 meters 310°) 1 bl. ev. 25s. Dolphin "F" marked by Fl.Y. 7M light. Horn: (300 meters 132°) 1 bl. ev. 35s.	28/03
*							
*							
28/03							

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17628 <i>E 5004</i>	--E. breakwater, head.	43° 11.2' N 27° 55.3' E	Fl.W. period 10s	56 17	10	White round metal tower; 29.	Nautophone: 2 bl. ev. 10s.
*							
*							
28/03							
*17642 <i>E 5008.7</i>	Nos Kavaklar.	43° 15.1' N 28° 01.7' E	Fl.W. period 7s				28/03
19704 <i>E 4591</i>	Edremit Korfesi (T.), Kara Burnu.	39° 33.5' N 26° 50.1' E	Fl.(3)W. period 10s  fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	33 10	12	White tower; 33.	
*							
*							
28/03							

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1124 <i>C 0581</i>	-Hunnebadan.						Remove from list.
*							
28/03							

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
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LANGELAND:

3928 -Langelandsbaelt S.  
C 1673.6      54° 48.2' N    F.I.R.G.  
                  10° 50.3' E    period 3s  
                                      fl. 0.7s, ec. 2.3s      33      8 Red pole with platform; 33.      R. 024°30'-181°30', G.-024°30'.

-RACON

O(--)  
period 80s

10

\*

28/03

12968 Kiryamo.  
C 3914

*Remove from list.*

\*

28/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

**NM 28/03**

### PUBLICATIONS AFFECTED BY NOTICE TO MARINERS THROUGH NM 28/03

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
<b>NIMA HYDRO CATALOG CATP2V01U</b> Region 1	2002	1*,2,3,4,7,8,9,10,11, 14,15,17,19,20,21, 22,23,24,25,26,27, 28/03	SDPUB142	2000	49/00*:3,31,35/01; 1,15,43/02	COMDTM165022	2003	17*,18,19,20,21,22, 23,24,25,26,27, 28/03
Region 2	2002	1*,8,15,17,20,21,22, 23,24,26,28/03	SDPUB143	2000	8*:10,19,29/00:16, 26/01;1,25/02,9/03	COMDTM165023	2003	17*,18,19,20,21,23, 24,25,26,28/03
Region 3	2002	1/03*	SDPUB145	2000	13*,14,18,19,22,26, 32,37,38,46,47,51, 53/00;1,4,5,7,10,12, 28,29,35,52/01;14, 27/02	COMDTM165024	2003	18*,19,20,21,22,23, 24,25,26,27,28/03
Region 4	2002	1*,23/03	SDPUB147	2001	35/01*:21,22,23, 24/02	COMDTM165025	2002	16/02*
Region 5	2002	1*,3,5,8,22,27/03	SDPUB148	2001	48/01*:23,24/02; 22/03	COMDTM165026	2003	18*,19,20,21,22,23, 24,25,26,27,28/03
Region 6	2002	1*,10,11,13,16,19, 20,21,25,28/03	SDPUB153	2000	6/01*:28,30,41,44, 46,47,48,52/02;1,3, 4,8,13,15,22,25/03	COMDTM165027	2003	18*,20,21,22,23,24, 26,27,28/03
Region 7	2002	1*,11,15,28/03	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14,19, 23/03	<b>FLEET GUIDES</b>		
Region 8	2002	1*,14/03	SDPUB155	2001	31*,48/01;10,45, 46/02	FGPUB940ATL	2001	N47/01*
Region 9	2002	1/03*	SDPUB159	2002	42*:48/02	FGPUB941PAC	2001	N22/01*
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21,23,24,25,27, 28/03	SDPUB160	2002	47*,48,49,52/02;6,8, 10,11,19,21,22, 23/03	<b>NOS MISCELLANEOUS PUBLICATIONS</b>		
<b>NIMA LIST OF LIGHTS</b>			SDPUB161	2002	23*,24,44,47,48/02; 5,12/03	NOSPBCATALOG1	2000	20/00*
LLPUB110	2003	7*,8,9,11,13,14,15, 16,17,18,20,21,23, 24,25,26,27,28/03	SDPUB162	2001	51/01*:5,12/03	NOSPBCATALOG2	2000	34/00*
LLPUB111	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51,52/02;1, 2,3,4,5,6,7,8,9,10, 12,15,16,17,18,19, 20,21,22,23,24,25, 28/03	SDPUB163	2002	18*,20,21,26,46, 51/02;13,24,26,27, 28/03	NOSPBCATALOG3	2000	28/00*
LLPUB112	2003	4*,5,6,7,8,9,10,11, 12,13,14,15,16,17, 18,19,20,21,22,23, 24,25,26,27,28/03	SDPUB164	2000	30/00*:31,35,36/01; 8,28/03	NOSPBCATALOG4	2000	34/00*
LLPUB113	2002	45*,47,48,50,51, 52/02;1,2,3,4,5,6,7, 8,10,11,12,13,14,15, 16,17,18,19,20,21, 22,23,24,25,26,27, 28/03	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02;23,24, 26/03	<b>ALMANACS</b>		
LLPUB114	2003	17*,19,21,22,23,24, 27/03	SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12,13, 14,15,19,20,22,23, 25,26,27,28/03	AIRALMANAC301	2003	44/02*
LLPUB115	2002	39*,40,41,44,45,50, 51,52/02;1,15,19,20, 26/03	SDPUB173	2002	50*,51/02;3,22,24, 25,26,27/03	NAUTALMANAC03	2003	44/02*
LLPUB116	2003	24*,26,27,28/03	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,19,22, 28,33,37,38,48/02	<b>COAST PILOT</b>		
<b>SAILING DIRECTIONS</b>			SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02; 26,27/03	NOSPBCP1	33	27*,28/03
CDPUBSD125	2003	19/03*	SDPUB180	2002	32*,33,42,47,48, 50/02;6,13,14,17,21, 24/03	NOSPBCP2	32	17*,18,21,22,26, 28/03
CDPUBSD131	2002	9/03*	SDPUB181	2002	38*,39/02	NOSPBCP3	35	3*,5,7,12,15,17,18, 21,22,27,28,33,37, 42,45,49,51/02;3,10, 12,13,14,18,20, 27/03
CDPUBSD146	2002	4/03*	SDPUB182	2001	8*,10,12,41/02; 17/03	NOSPBCP4	34	49*,51/02;12,14,18, 20,21,22,27/03
CDPUBSD157	2003	17/03*	SDPUB183	2001	27/01*:13,15,16/02; 18/03	NOSPBCP5	30	2*,6,10,12,14,18,20, 27/03
CDPUBSD158	2003	24/03*	SDPUB191	2000	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,22,23,27,28, 29,30,31,33,34,36, 44,45,47,48/01;10, 14,15,16,17,42, 50/02;2,9,12,15,18, 22/03	<b>RADIO NAVIGATIONAL AIDS</b>		
CDPUBSD194	2002	6*,8,15,17/03	SDPUB192	2000	14*,16,17,18,24,26, 31,36,38,39,46/00;4, 14,17,21,22,23,25, 26,28,30,31,32/01; 11,12,13,14,15,16, 22,23,27,36,37,42, 48,52/02;4,5,6,7,8, 13/03	RAPUB117	2002	50/02*;13/03
SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12,14,17,20, 21,23/03	SDPUB193	2000	27*,38,49/00:9,26, 27,31,32/01;14,15, 26,52/02;18,19,20, 23/03	<b>AMERICAN PRACTICAL NAVIGATOR</b>		
SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02;24,25, 27,28/03	SDPUB195	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	NVPUB9	2002	36/02*/14/03
SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02;24,25,27, 28/03	SDPUB200	2002	38*,39,42/02;22, 27/03	<b>INTERNATIONAL CODE OF SIGNALS</b>		
SDPUB126	2002	39*,41,42,43,44,45, 48/02;24,26,27, 28/03	SDPUB196	2003	2003	CDPUBNV102	2003	20/03*
SDPUB127	2000	37*,38/00;18,33,40, 44,45,48,49,52/01;1, 11,13,17,18,27,33, 34,37,41,47,49, 51/02;5/03	SDPUB197	2000	27*,38,49/00:9,26, 27,31,32/01;14,15, 26,52/02;18,19,20, 23/03	<b>WORLD PORT INDEX</b>		
SDPUB132	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02;2,10/03	SDPUB198	2000	14*,16,17,18,24,26, 31,36,38,39,46/00;4, 14,17,21,22,23,25, 26,28,30,31,32/01; 11,12,13,14,15,16, 22,23,27,36,37,42, 48,52/02;4,5,6,7,8, 13/03	NVPUB150	2000	50/00*;14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7,10, 15,20/03
SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22,23,24,25, 26/03	SDPUB199	2000	27*,38,49/00:9,26, 27,31,32/01;14,15, 26,52/02;18,19,20, 23/03	<b>DISTANCES BETWEEN PORTS</b>		
SDPUB141	2001	21*,38/01	SDPUB200	2002	38*,39,42/02;22, 27/03	NVPUB151	2001	4/02*
						<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>		
						CDPUBNV1310	2001	51/01*
						<b>SIGHT REDUCTION TABLES (MARINE)</b>		
						SRPUB229V1	1970	11/71*
						SRPUB229V2	1970	11/71*
						SRPUB229V3	1970	7/71*
						SRPUB229V4	1970	3/71*
						SRPUB229V5	1970	3/71*

## SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 28/03**

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.		
SRPUB229V6	1970	23/70*		
<b>SIGHT REDUCTION TABLES (AIR)</b>				
SRPUB249V1	2000	4/01*		
SRPUB249V2	1952	46/52*		
SRPUB249V3	1952	46/52*		
<b>CHART NO. 1</b>				
WOBZC1	1997	18/98*		
<b>CHART NO. 4</b>				
WOBZC4	1988	N23/91*		
<b>ATLAS OF PILOT CHARTS</b>				
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
<b>USCG NAVIGATION RULES</b>				
COMDTM166722D	1999	44/99*;52/00		
<b>NOS TIDE TABLES</b>				
NOSPBTTCWPACIN3	2003	N4/03*		
NOSPBTTECSTNSA3	2003	N4/03*		
NOSPBTTEURAFR3	2003	N4/03*		
NOSPBTWCSTNSA3	2003	N4/03*		
<b>TIDAL CURRENT TABLES</b>				
NOSPBTCTATCSTN3	2003	N4/03*		
NOSPBTCTPACAS3	2003	N4/03*		

## SECTION III

NM 28/03

### BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

#### NAVAREA IV

Messages in force 261100Z June 2003:

2001 series	219(GEN)	108(26,27)	242(11)	254(25)	258(38)
393(GEN)	468(GEN)	231(14)	249(11,26)	256(25)	
2002 series	2003 series	236(11)	252(GEN)	257(GEN)	

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

#### NAVAREA IV WARNINGS issued from 191200Z to 261100Z June 2003.

249/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:

- A. 0400Z TO 0359Z COMMENCING DAILY  
23 THRU 29 JUN IN AREA BOUND BY  
30-45N 080-54W, 30-45N 080-11W,  
30-36N 080-11W, 30-34N 080-33W.
- B. 0400Z TO 0359Z COMMENCING DAILY  
23 THRU 29 JUN IN AREA BETWEEN  
29-10N 29-20N AND 079-40W 079-50W.
- C. 1300Z TO 0600Z COMMENCING DAILY  
24 THRU 27 JUN IN AREA BETWEEN  
30-00N 29-50N AND 081-00W 080-50W.
- D. 23130Z TO 231500Z AND 231730Z TO 231900Z JUN  
IN AREA BOUND BY 30-32N 080-58W, 30-45N 080-56W,  
31-10N 080-59W, 31-10N 080-10W, 30-33N 080-10W.
- E. 251330Z TO 251500Z AND 251630Z TO 251800Z JUN  
IN AREA BOUND BY 30-32N 080-58W, 30-45N 080-56W,  
31-10N 080-59W, 31-10N 080-10W, 30-33N 080-10W.
- F. 251345Z TO 260145Z, 261345Z TO 261845Z AND  
271345Z TO 280145Z JUN IN AREA BOUND BY  
30-15N 080-10W, 30-15N 078-50W, 29-30N 078-50W,  
29-30N 079-35W, 29-55N 080-10W.

2. CANCEL THIS MSG 300459Z JUN.

(201500Z JUN 2003)

250/03 and 251/03. CANCELED.

252/03(GEN).

1. NAVAREA IV MESSAGES IN FORCE 211000Z JUN 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 231(14), 236(11), 238(11,26), 242(11), 244(25), 246(11), 249(11,26).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.  
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL NAVAREA IV 241/03.

(211040Z JUN 2003)

253/03. CANCELED.

254/03(25). NORTH ATLANTIC.

1. DERELICT 50 FOOT S/V EVEREST, WHITE HULL,  
ADRIFT VICINITY 33-40.8N 066-06.2W.
2. CANCEL THIS MSG 28 JUN.

(212220Z JUN 2003)

255/03. CANCELED.

256/03(25). CARIBBEAN SEA.

1. DERELICT VESSEL VICINITY 14-10N 060-58W  
AT 231630Z JUN.
2. CANCEL THIS MSG 01 JUL.

(240005Z JUN 2003)

### SECTION III

257/03(GEN). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 290356Z TO 290525Z JUN, ALTERNATE 300346Z TO 300516Z JUN IN AREAS BOUND BY:
  - A. 28-31N 080-33W, 28-25N 079-15W,  
28-12N 079-16W, 28-23N 080-36W.
  - B. 28-38N 080-27W, 28-38N 079-58W,  
28-11N 079-58W, 28-11N 080-27W.
  - C. 28-32N 075-15W, 27-08N 075-30W,  
26-39N 072-58W, 28-05N 072-41W.
  - D. 25-35N 054-21W, 21-20N 042-31W,  
16-28N 044-53W, 21-02N 056-13W.
2. CANCEL NAVAREA IV 253/03.
3. CANCEL THIS MSG 300616Z JUN.

(240450Z JUN 2003)

258/03(38). NORTH ATLANTIC.

1. EIGHT METER LONG STRUCTURE ADRIFT  
VICINITY 50-18.7N 034-25.3W.
2. CANCEL THIS MSG 01 JUL.

(242019Z JUN 2003)

259/03. CANCELED.

## SECTION III

## HYDROLANTS

Messages in force 261100Z June 2003:

2000 series	2203(51)	490(51)	1009(53,56)	1181(52)	1215(37)
2937(38)	2354(53)	544(55)	1027(56)	1182(53)	1219(24)
3762(43)	2673(GEN)	563(37)	1048(57)	1183(36)	1220(55)
4265(44)	2682(51)	604(26,27)	1067(52)	1186(43)	1222(53)
2001 series	2848(37)	635(51)	1070(57)	1192(35,43)	1223(53)
611(44)	2869(52)	675(37)	1080(56)	1193(37)	1224(56)
1798(37)	2882(54)	738(35)	1088(57)	1194(53)	1225(37)
2659(GEN)	2883(54)	754(37)	1096(24)	1201(57)	1227(38)
2700(37)	2003 series	867(37)	1117(37)	1205(53)	1228(35)
3161(44)	41(37)	875(55)	1134(35)	1206(23,29)	1229(36)
2002 series	65(53)	903(36)	1143(53)	1207(53)	1230(55)
245(GEN)	67(37)	925(53)	1146(57)	1209(GEN)	1232(51,52)
246(GEN)	76(54)	938(51)	1155(36)	1210(52)	1233(24)
383(53)	317(37)	941(54)	1158(53)	1212(38)	1234(24)
946(53)	390(22)	948(57)	1161(51,52)	1213(35)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02.  
Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

## HYDROLANT WARNINGS issued from 191200Z to 261100Z June 2003.

1198/03 thru 1200/03. CANCELED.

1201/03(57). SOUTH ATLANTIC.  
DISTRESS SIGNAL RECEIVED FROM F/V KIN CHUAN HSING  
IN 12-39S 004-01E. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO CAPE TOWN RADIO, TELEX: 521848,  
PHONE: 272 1551 2617, FAX: 272 1551 3760.

(200550Z JUN 2003)

1202/03 thru 1204/03. CANCELED.

1205/03(53). EASTERN MEDITERRANEAN SEA.  
1. DERELICT TEN METER VESSEL ADRIFT IN 34-25.7N 012-51.6E.  
REPORTS TO ANY COASTAL RADIO STATION.  
2. CANCEL HYDROLANT 994/03(35) AND 1156/03(37),  
OPERATIONS COMPLETED.  
3. CANCEL THIS MSG 27 JUN.

(201715Z JUN 2003)

1206/03(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 20 JUN IN:
  - A. A-38A, 22 MILES BY 48 MILES IN 58-48S 047-36W.
  - B. A-38B, 22 MILES BY 25 MILES IN 57-06S 047-06W.
  - C. A-38C, SEVEN MILES BY 11 MILES IN 60-00S 049-06W.
  - D. A-38D, TWO MILES BY TEN MILES IN 60-48S 051-54W.
  - E. A-43B, 13 MILES BY 40 MILES IN 54-24S 039-06W.
  - F. A-43C, 24 MILES BY 41 MILES IN 58-36S 033-24W.
  - G. A-43G, EIGHT MILES BY 49 MILES IN 48-48S 023-12W.
  - H. A-43I, TWO MILES BY 12 MILES IN 59-12S 035-48W.
  - I. A-46, FOUR MILES BY 11 MILES IN 53-48S 043-54W.
  - J. A-47, NINE MILES BY 14 MILES IN 52-18S 047-36W.
  - K. A-48, NINE MILES BY TEN MILES IN 59-42S 048-42W.
  - L. A-50, ONE MILE BY TEN MILES IN 59-06S 048-24W.
  - M. B-09A, 15 MILES BY 22 MILES IN 52-18S 025-30W.
2. CANCEL HYDROLANT 1174/03.
3. CANCEL THIS MSG 28 JUN.

(210230Z JUN 2003)

1207/03(53). STRAIT OF SICILY.

1. SURVEY OPERATIONS 22 JUN THRU 02 JUL BY  
M/V DELLA PORTA IN AREA BOUND BY  
37-34.5N 012-36.0E, 37-18.0N 012-27.5E,  
36-02.0N 015-09.5E, 36-42.0N 015-40.3E.  
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 03 JUL.

(210620Z JUN 2003)

1208/03. CANCELED.

## SECTION III

1209/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 211000Z JUN 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 938(51), 941(54), 948(57), 1009(53,56), 1010(51), 1027(56), 1048(57), 1067(52), 1068(52), 1070(57), 1080(56), 1088(57), 1096(24), 1101(43), 1117(37), 1124(55), 1134(35), 1143(53), 1146(57), 1155(36), 1158(53), 1161(51,52), 1168(52), 1172(37), 1173(52,53), 1177(52), 1181(52), 1182(53), 1183(36), 1186(43), 1187(53), 1192(35,43), 1193(37), 1194(53), 1195(52,53), 1197(24), 1201(57), 1202(24), 1203(51), 1205(53), 1206(23,29), 1207(53), 1208(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL HYDROLANT 927/03, 1152/03, 1166/03.

(211045Z JUN 2003)

1210/03(52). ALGERIA.

1. CABLE OPERATIONS IN PROGRESS UNTIL 10 JUL BY CABLESHIP CERTAMEN VICINITY OF TRACKLINE JOINING 37-26.0N 004-10.0E, 37-11.9N 003-10.0E, 36-56.6N 002-54.0E.
2. CANCEL HYDROLANT 1177/03.
3. CANCEL THIS MSG 11 JUL.

(211110Z JUN 2003)

1211/03. CANCELED.

1212/03(38). NORTH ATLANTIC.

F/V BEIRAMAR TRES REQUIRING MEDICAL ASSISTANCE IN 57-02N 018-20W. VESSELS IN VICINITY ABLE TO PROVIDE MEDICAL ASSISTANCE REQUESTED TO ASSIST IF POSSIBLE. REPORTS TO MRCC CLYDE.

(212043Z JUN 2003)

1213/03(35). SCOTLAND-WEST COAST.

CHART 35298 (7TH ED). MC ARTHURS HEAD LIGHT 55-46N 006-03W TEMPORARILY UNSECTORED AND RANGE REDUCED TO EIGHT MILES.

(220132Z JUN 2003)

1214/03. CANCELED.

1215/03(37). NORTH SEA.

1. CABLE OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY CABLESHIP MAERSK DEFENDER VICINITY 52-43.1N 002-09.4E. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 1211/03.

(220250Z JUN 2003)

1216/03 thru 1218/03. CANCELED.

1219/03(24). BRAZIL-NORTH COAST.

- CHART 24270 (3RD ED).
1. RECIFE MANOEL LUIS BF-1 LIGHTFLOAT 00-49S 044-16W MISSING.
  2. CANCEL HYDROLANT 1485/02 AND 1197/03.

(230650Z JUN 2003)

1220/03(55). BLACK SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0200Z TO 1400Z DAILY 25 THRU 28 JUN IN AREA BOUND BY 44-28.5N 036-58.0E, 44-47.6N 036-39.7E, 44-54.1N 036-36.6E, 44-58.7N 036-32.6E, 45-02.4N 036-35.1E, 45-02.4N 036-41.0E, 44-55.7N 036-53.4E, 44-38.7N 037-16.0E, 44-33.0N 037-07.6E.
2. CANCEL HYDROLANT 1214/03(25) AND 1216/03(35).
3. CANCEL THIS MSG 281500Z JUN.

(231010Z JUN 2003)

1221/03. CANCELED.

### SECTION III

NM 28/03

1222/03(53). SICILIA-EAST COAST. ORDNANCE.

1. TORPEDO FIRING EXERCISES 250700Z TO 251600Z JUN,  
ALTERNATE 260700Z TO 261600Z JUN IN AREA BETWEEN  
37-00N 37-11N AND 015-25E 015-43E.
2. CANCEL THIS MSG 261700Z JUN.

(240640Z JUN 2003)

1223/03(53). SICILIA-EAST COAST. ORDNANCE.

1. TORPEDO FIRING EXERCISES SUNSET TO SUNRISE 26 JUN,  
ALTERNATE 27 JUN IN AREA BOUND BY  
37-22-30N 015-20-00E, 37-22-30N 015-29-00E,  
37-04-30N 015-29-00E, 37-04-30N 015-21-24E,  
37-14-14N 015-15-15E.
2. CANCEL THIS MSG 28 JUN.

(241335Z JUN 2003)

1224/03(56). EASTERN MEDITERRANEAN SEA.

1. CABLE OPERATIONS 25 JUN UNTIL FURTHER NOTICE  
BY CABLESHIP RAYMOND CROZE IN AREA BETWEEN  
31-20.6N 31-19.8N AND 029-55.8E 029-55.0E.  
ONE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 1068/03(52).

(241600Z JUN 2003)

1225/03(37). BAY OF BISCAY.

1. UNDERWATER OPERATIONS BY M/V MARION DUFRESNE:
  - A. 25 JUN VICINITY OF TRACKLINE BETWEEN  
46-48N 007-01W AND 47-23N 007-10W.
  - B. 26 JUN VICINITY OF TRACKLINE BETWEEN  
47-01N 007-45W AND 47-04N 007-56W.  
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 27 JUN.

(241730Z JUN 2003)

1226/03. CANCELED.

1227/03(38). NORTH ATLANTIC.

1. EIGHT METER LONG STRUCTURE ADRIFT  
VICINITY 50-18.7N 034-25.3W.
2. CANCEL THIS MSG 01 JUL.

(241942Z JUN 2003)

1228/03(35). ENGLAND-EAST COAST.

- CHART 35040 (18TH ED).
1. DGPS STATION AT FLAMBOROUGH HEAD LIGHT 54-07N 000-05W  
INOPERATIVE 0730Z TO 1700Z DAILY 25 AND 26 JUN.
  2. CANCEL THIS MSG 261800Z JUN.

(250710Z JUN 2003)

1229/03(36). WALES-NORTH COAST.

- CHART 36122 (12TH ED).
1. DGPS STATION AT POINT LYNAS LIGHT 53-25N 004-17W  
INOPERATIVE 0800Z TO 1600Z DAILY 25 AND 26 JUN.
  2. CANCEL THIS MSG 261700Z JUN.

(250720Z JUN 2003)

1230/03(55). BLACK SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1000Z TO 1500Z AND 1600Z TO 2200Z  
DAILY 30 JUN THRU 13 JUL IN AREA BOUND BY  
44-23.0N 028-42.5E, 44-27.0N 029-01.0E,  
44-20.0N 029-01.5E, 44-13.0N 028-56.5E.
2. CANCEL THIS MSG 132300Z JUL.

(251020Z JUN 2003)

1231/03. CANCELED.

1232/03(51,52). SPAIN. NAVTEX.

NAVTEX STATION TARIFA OFF AIR.

(251800Z JUN 2003)

1233/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 300400Z JUN  
BY M/V TROPICALIENTE TOWING TWO 20 METER  
LONG CABLES IN AREA BOUND BY  
03-02.0S 038-58.8W, 03-05.1S 039-01.3W,  
03-01.8S 039-05.3W, 02-58.7S 039-02.8W.  
SIX MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 1218/03.
3. CANCEL THIS MSG 300500Z JUN.

(260550Z JUN 2003)

**SECTION III**

1234/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 290259Z JUN  
BY M/V CGG HARMATTAN TOWING SIX 6000 METER  
LONG CABLES IN AREA BOUND BY  
00-32.0S 043-33.0W, 00-44.0S 043-44.0W,  
01-01.5S 043-24.0W, 00-48.5S 043-12.0W.  
SIX MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 1231/03.
3. CANCEL THIS MSG 290359Z JUN.

(260610Z JUN 2003)

**SECTION III****NAVAREA XII**

Messages in force 261100Z June 2003:

2001 series 298(GEN)	2002 series 178(GEN)	339(GEN) 2003 series	164(GEN) 165(18,83)	166(19) 167(18)
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The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

**NAVAREA XII WARNINGS issued from 191200Z to 261100Z June 2003.**

164/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 211000Z JUN 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 137(19), 163(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.  
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL NAVAREA XII 160/03.

(211050Z JUN 2003)

165/03(18,83). NORTH PACIFIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1820Z TO 2005Z DAILY 26 THRU 30 JUN IN AREAS BOUND BY:
  - A. 35-39N 123-29W, 36-23N 123-20W,  
36-16N 122-31W, 35-32N 122-41W.
  - B. 28-28N 125-21W, 30-26N 124-56W,  
30-14N 123-41W, 28-15N 124-08W.
  - C. 21-13N 127-49W, 23-41N 127-21W,  
23-10N 124-20W, 20-42N 124-52W.
  - D. 00-48N 130-49W, 04-55N 130-04W,  
04-41N 128-48W, 00-34N 129-34W.
2. CANCEL THIS MSG 302105Z JUN.

(211150Z JUN 2003)

166/03(19). NORTH PACIFIC. HAWAII. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2400Z DAILY MONDAY THRU SUNDAY IN THE PACIFIC MISSILE RANGE FACILITY, HAWAIIAN AREA, BARKING SANDS, KAUAI. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1600Z TO 0400Z DAILY MONDAY THRU FRIDAY. THE PACIFIC MISSILE RANGE FACILITY HAWAIIAN AREA (W188) IS BOUND BY:
  - A. 22-00.0N 159-51.0W.
  - B. 22-00.0N 160-00.0W THENCE CCW THREE MILES FROM
  - C. 22-02.7N 160-09.1W. NIIHAU/LEHUA.
  - D. 22-03.0N 160-21.0W.
  - E. 22-05.0N 161-35.0W THENCE CW 100 MILES FROM
  - F. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - G. 22-45.0N 161-25.0W.
  - H. 22-56.0N 161-49.0W THENCE CW 125 MILES FROM
  - I. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - J. 23-57.0N 160-41.0W.
  - K. 25-41.0N 161-36.0W THENCE CW 240 MILES FROM
  - L. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - M. 25-47.0N 158-15.0W.
  - N. 23-54.0N 158-15.0W.
  - O. 22-20.0N 159-09.0W THENCE CCW 25 MILES FROM
  - P. 21-58.1N 159-20.5W. LIHUE VORTAC.
  - Q. 22-13.0N 159-42.0W THENCE CCW THREE MILES AND PARALLEL TO THE SHORELINE OF KAUAI.
  - R. 22-00.0N 159-51.0W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT "MISSILE RANGE BARKING SANDS" ON 2182 KHZ, 4491 USB OR 156.8 MHZ (CHANNEL 16) BEFORE ENTERING THE ABOVE BOUNDARIES. IF UNABLE TO CONTACT THE PACIFIC MISSILE RANGE FACILITY PRIOR TO ENTERING OR WHILE IN THE WARNING AREA, RELAY MESSAGES THROUGH U.S. COAST GUARD HONOLULU.
3. VESSELS INBOUND AND OUTBOUND FOR HAWAIIAN PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS AS WELL AS ENHANCE THE VESSEL'S SAFETY BY PASSING SOUTH OF THE ISLANDS OF KAUAI AND NIIHAU DURING SPECIFIED TIMES.
4. CANCEL NAVAREA XII 137/03.

(261010Z JUN 2003)

## SECTION III

167/03(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:

A. 34-02N 119-04W. M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL

B. 33-52N 119-06W. TO THE SHORELINE.

C. 33-29N 119-07W. N. 34-24N 120-30W.

D. 33-29N 118-37W. O. 34-08N 120-26W.

E. 33-20N 118-37W. P. 34-08N 119-40W.

F. 32-11N 120-16W. Q. 34-00N 119-40W.

G. 31-54N 121-35W. R. 34-06N 119-13W.

H. 35-09N 123-39W. S. 34-06N 119-11W.

I. 35-29N 123-00W. T. 34-07N 119-10W.

J. 35-04N 122-43W. U. 34-07N 119-07W.

K. 35-57N 121-32W. V. 34-04N 119-04W.

L. 34-59N 120-42W.

2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.

3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.

4. CANCEL NAVAREA XII 163/03.

(261020Z JUN 2003)

### SECTION III HYDROPACS

Messages in force 261100Z June 2003:

2000 series	2339(63)	744(29)	902(71)	985(97)	1058(23,29)
597(73)	2402(22)	752(62)	908(81)	992(62)	1060(GEN)
2001 series	2003 series	760(63)	909(94,97)	993(62)	1063(91)
1647(GEN)	100(29)	761(63)	911(95)	998(71)	1069(74)
1976(62)	167(95)	777(62)	912(95)	1003(71,93)	1075(63)
2002 series	197(71)	787(73)	913(94,95)	1004(62)	1076(63)
146(62)	207(62)	801(72)	921(95)	1007(76)	1078(74)
196(61)	445(96)	816(94,97)	922(94,95)	1009(63)	1082(71)
205(GEN)	495(62)	819(62)	923(93)	1010(63)	1085(63)
206(GEN)	496(62)	829(97)	932(62)	1011(63)	1086(62,63)
207(93)	506(62)	849(81)	935(81)	1016(62)	1087(63)
352(73)	514(73)	858(63)	936(61)	1018(97)	1088(62)
403(72,73)	515(73)	860(81)	940(71)	1024(97)	1089(63)
637(75)	525(73,74)	865(81)	952(71,93)	1027(81)	1090(62,63)
828(62)	570(62)	874(81,97)	956(83)	1031(62)	1091(61)
1765(71)	592(62)	875(97)	959(62)	1036(81)	1093(22)
1843(22)	593(62)	878(93)	960(63)	1041(71)	1094(95)
2111(62)	638(62)	880(63)	962(91)	1044(97)	1095(94,95)
2191(22)	647(74)	884(75)	965(63)	1047(76,83)	1096(95)
2199(63)	649(71,93)	886(96,97)	968(74)	1051(63)	
2277(GEN)	667(62)	891(91)	973(81)	1053(97)	
2330(62)	743(62)	895(62)	982(97)	1057(81)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02.  
Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

#### HYDROPAC WARNINGS issued from 191200Z to 261100Z June 2003.

1055/03 and 1056/03. CANCELED.

1057/03(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 14-45.4N 148-53.3E  
AT 201124Z JUN. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO RCC GUAM, TELEX: 392401.

(201903Z JUN 2003)

1058/03(23,29). SOUTH ATLANTIC. ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 20 JUN IN:
  - A. A-38A, 22 MILES BY 48 MILES IN 58-48S 047-36W.
  - B. A-38B, 22 MILES BY 25 MILES IN 57-06S 047-06W.
  - C. A-38C, SEVEN MILES BY 11 MILES IN 60-00S 049-06W.
  - D. A-38D, TWO MILES BY TEN MILES IN 60-48S 051-54W.
  - E. A-43C, 24 MILES BY 41 MILES IN 58-36S 033-24W.
  - F. A-43I, TWO MILES BY 12 MILES IN 59-12S 035-48W.
  - G. A-48, NINE MILES BY TEN MILES IN 59-42S 048-42W.
  - H. A-49, ONE MILE BY TEN MILES IN 63-06S 052-00W.
  - I. A-50, ONE MILE BY TEN MILES IN 59-06S 048-24W.
2. CANCEL HYDROPAC 1030/03.
3. CANCEL THIS MSG 28 JUN.

(210240Z JUN 2003)

1059/03. CANCELED.

1060/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 211000Z JUN 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 816(94,97), 819(62), 829(97), 849(81), 858(63), 860(81), 865(81), 874(81,97), 875(97), 878(93), 880(63), 884(75), 886(96,97), 891(91), 895(62), 902(71), 908(81), 909(94,97), 911(95), 912(95), 913(94,95), 921(95), 922(94,95), 923(93), 932(62), 935(81), 936(61), 940(71), 952(71,93), 956(83), 959(62), 960(63), 962(91), 965(63), 968(74), 973(81), 982(97), 985(97), 992(62), 993(62), 998(71), 999(63), 1003(71,93), 1004(62), 1007(76), 1009(63), 1010(63), 1011(63), 1015(62), 1016(62), 1018(97), 1024(97), 1027(81), 1029(63), 1031(62), 1036(81), 1041(71), 1044(97), 1047(76,83), 1050(75), 1051(63), 1052(62), 1053(97), 1055(73), 1056(71,93), 1057(81), 1058(23,29), 1059(62).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.  
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.

## SECTION III

3. CANCEL HYDROPAC 771/03, 773/03, 776/03, 933/03,  
996/03, 1025/03.

(211055Z JUN 2003)

1061/03 and 1062/03. CANCELED.

1063/03(91). SOUTH CHINA SEA.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 14-37.4N 119-26.2E  
AT 211656Z JUN. VESSELS IN VICINITY REQUESTED TO  
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO HKMRCC, TELEX: 80282952.

(211800Z JUN 2003)

1064/03 thru 1068/03. CANCELED.

1069/03(74). AUSTRALIA-NORTHEAST COAST.

CHART 74221 (2ND ED).  
CREAL REEF LIGHT 20-31.9S 150-22.6E UNLIT.

(221405Z JUN 2003)

1070/03 thru 1074/03. CANCELED.

1075/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 24 AND 27 JUN  
IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,  
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.  
2. CANCEL THIS MSG 271630Z JUN.

(231250Z JUN 2003)

1076/03(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY  
25 AND 26 JUN WITHIN 75 MILES OF  
08-31.9N 076-52.1E.  
2. CANCEL THIS MSG 261700Z JUN.

(231300Z JUN 2003)

1077/03. CANCELED.

1078/03(74). AUSTRALIA-NORTHWEST COAST.

CHART 74021 (7TH ED).  
RACON AT C1 BUOY 19-59.6S 118-26.1E INOPERATIVE.

(231600Z JUN 2003)

1079/03 thru 1081/03. CANCELED.

1082/03(71). SOUTH CHINA SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 25 SEP  
BY M/V GECO EMERALD TOWING 2.7 MILE  
LONG CABLE IN AREA BETWEEN  
03-19N 03-30N AND 112-31E 112-53E.  
2. CANCEL THIS MSG 26 SEP.

(240840Z JUN 2003)

1083/03 and 1084/03. CANCELED.

1085/03(63). INDIA-WEST COAST.

CHART 63070 (3RD ED).  
1. OKHA DGPS STATION 22-28.5N 069-04.2E OFF AIR  
280230Z TO 281030Z JUN.  
2. CANCEL HYDROPAC 1081/03, AID RESTORED.  
3. CANCEL HYDROPAC 1083/03(62) AND 1084/03(62,63),  
PERSONS RESCUED.  
4. CANCEL THIS MSG 281130Z JUN.

(241300Z JUN 2003)

1086/03(62,63). ARABIAN SEA.

1. DERELICT M/V OCEAN PIONEER, BLUE HULL,  
ADRIFT VICINITY 20-49.9N 063-44.8E.  
2. CANCEL THIS MSG 01 JUL.

(241330Z JUN 2003)

1087/03(63). INDIA-EAST COAST.

CHART 63270 (7TH ED).  
1. ODAS BUOY TEMPORARILY ESTABLISHED IN  
13-02.0N 080-26.0E 26 THRU 28 JUN.  
2. CANCEL HYDROPAC 1073/03(61).  
3. CANCEL THIS MSG 29 JUN.

(241800Z JUN 2003)

### SECTION III

NM 28/03

1088/03(62). PERSIAN GULF.  
CHART 62530 (6TH ED).  
JUAYMAH BUOY 27-12.6N 050-38.8E MISSING.

(250655Z JUN 2003)

1089/03(63). INDIA-EAST COAST.  
CHART 63260 (5TH ED).  
1. DGPS STATION AT NAGAPPATTINAM LIGHT 10-45.8N 079-50.9E  
OFF AIR 300030Z TO 301230Z JUN.  
2. CANCEL HYDROGRAPHIC 1059/03(62), OPERATIONS COMPLETED.  
3. CANCEL THIS MSG 301330Z JUN.

(250940Z JUN 2003)

1090/03(62,63). ARABIAN SEA.  
1. DERELICT M/V GREEN GLORY, ADRIFT  
VICINITY 16-00N 060-04E.  
2. CANCEL THIS MSG 02 JUL.

(250955Z JUN 2003)

1091/03(61). ARABIAN SEA.  
DISTRESS SIGNAL RECEIVED FROM M/V ZEMRA BELLA IN 09-32N 052-31E  
AT 250247Z JUN. VESSELS IN VICINITY REQUESTED TO KEEP  
A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO  
MRCC SEYCHELLES, PHONE: 248 224 411, FAX: 248 323 288.

(251755Z JUN 2003)

1092/03. CANCELED.

1093/03(22). CHILE. RADIO SERVICES.  
DSC STATION COQUIMBO 29-56S 071-13W INOPERATIVE.

(260520Z JUN 2003)

1094/03(95). SEA OF JAPAN. ORDNANCE.  
1. BOMBING EXERCISES 0001Z TO 1000Z DAILY  
01 THRU 05, 07 THRU 12, 14 THRU 19,  
21 THRU 26 AND 28 THRU 31 JUL IN AREA  
BOUND BY 38-08N 129-51E, 38-08N 130-10E,  
37-39N 130-10E, 37-42N 129-51E.  
2. CANCEL THIS MSG 311100Z JUL.

(260940Z JUN 2003)

1095/03(94,95). YELLOW SEA. ORDNANCE.  
1. BOMBING EXERCISES 0001Z TO 1000Z DAILY  
01 THRU 05, 07 THRU 12, 14 THRU 19,  
21 THRU 26 AND 28 THRU 31 JUL IN AREA  
BETWEEN 34-50N 35-15N AND 124-50E 125-42E.  
2. CANCEL THIS MSG 311100Z JUL.

(260945Z JUN 2003)

1096/03(95). SEA OF JAPAN. ORDNANCE.  
1. BOMBING EXERCISES 0001Z TO 1300Z DAILY  
01 THRU 05, 07 THRU 12, 14 THRU 19,  
21 THRU 26 AND 28 THRU 30 JUL IN AREA  
BOUND BY 38-25N 128-45E, 38-25N 129-30E,  
38-10N 129-30E, 38-10N 129-00E,  
38-17N 129-00E, 38-17N 128-45E.  
2. CANCEL THIS MSG 301400Z JUL.

(260950Z JUN 2003)

### MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)), by referring to Section I (paragraph 50) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 26 June 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

## **SECTION III**

### **SPECIAL WARNINGS**

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002 and in Notice to Mariners 14/03.

SPECIAL WARNINGS in force 26 June 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

**MARINE INFORMATION****WARNING ON USE OF FLOATING AIDS TO NAVIGATION TO FIX A NAVIGATIONAL POSITION**

The aids to navigation depicted on charts comprise a system consisting of fixed and floating aids with varying degrees of reliability. Therefore, prudent mariners will not rely solely on any single aid to navigation, particularly a floating aid.

The buoy symbol is used to indicate the approximate position of the buoy body and the sinker which secures the buoy to the seabed. The approximate position is used because of practical limitations in positioning and maintaining buoys and their sinkers in precise geographical locations. These limitations include, but are not limited to, inherent imprecisions in position fixing methods, prevailing atmospheric and sea conditions, the slope of and the material making up the seabed, the fact that buoys are moored to sinkers by varying lengths of chain and the fact that buoy and/or沉器 positions are not under continuous surveillance but are normally checked only during periodic maintenance visits which often occur more than a year apart. The position of the buoy body can be expected to shift inside and outside the charting symbol due to the forces of nature. The mariner is also cautioned that buoys are liable to be carried away, shifted, capsized, sunk, etc. Lighted buoys may be extinguished or sound signals may not function as the result of ice or other natural causes, collisions, or other accidents.

For the foregoing reasons, a prudent mariner must not rely completely upon the position or operation of floating aids to navigation, but will also utilize bearings from fixed objects and aids to navigation on shore. Further, a vessel attempting to pass close aboard always risks collision with a yawing buoy or with the obstruction the buoy marks.

## MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

**Observer:** name(s) of person(s) making observation and rank, rate or title.

**Ship/Organization:** name of vessel or organization.

**Address:** complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

**Date of Observation:** day, month and year at which the observation was made.

**Time of Observation:** local time at which the observation was made.

**Latitude/Longitude:** exact position of the observation expressed as accurately as possible.

**Datum:** horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

**Navigation System:** method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

**Verified by Navigator:** indicate whether observation was verified by navigator.

**Product(s) Affected:** product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

**Edition:** edition number and/or year of affected product.

**Latest correction applied:** the latest Notice to Mariners to which your copy of affected product has been corrected.

**Sounding sensor or method used:** equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

**Soundings corrected for draft:** indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

**Details of Information Reported:** use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NIMA to update our records and obtain additional or later information.

**User Feedback:** use this space to provide feedback and suggestions for improving NIMA's products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NIMA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of NIMA's Bathymetric Data Base. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

## MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer \_\_\_\_\_ Ship/Organization \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Email address \_\_\_\_\_

Date of Observation \_\_\_\_\_ Time of Observation (Local) \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Product(s) Affected \_\_\_\_\_ Edition \_\_\_\_\_

Latest correction applied: N.M. \_\_\_\_\_

Sounding sensor or method used \_\_\_\_\_ Sounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

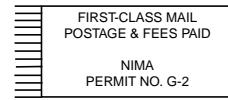
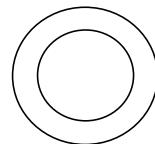
Details of Information Reported (continue on additional sheets as necessary) \_\_\_\_\_  
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User Feedback (continue on additional sheets as necessary)  
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**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL IMAGERY AND MAPPING AGENCY  
4600 SANGAMORE ROAD  
BETHESDA MD 20816-5003**

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## ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer \_\_\_\_\_

Ship/Organization \_\_\_\_\_

Phone \_\_\_\_\_ Email Address\_\_\_\_\_

Describe Hazard (e.g. dredge, buoy, current meter, operations): \_\_\_\_\_

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Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): \_\_\_\_\_

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Date of Insertion \_\_\_\_\_ Date of Removal \_\_\_\_\_

If observed, Date \_\_\_\_\_ Time (Local) \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Sounding sensor or method used \_\_\_\_\_

Sounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

Details of Information Reported (continue on additional sheets as necessary): \_\_\_\_\_

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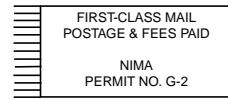
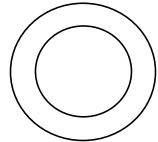
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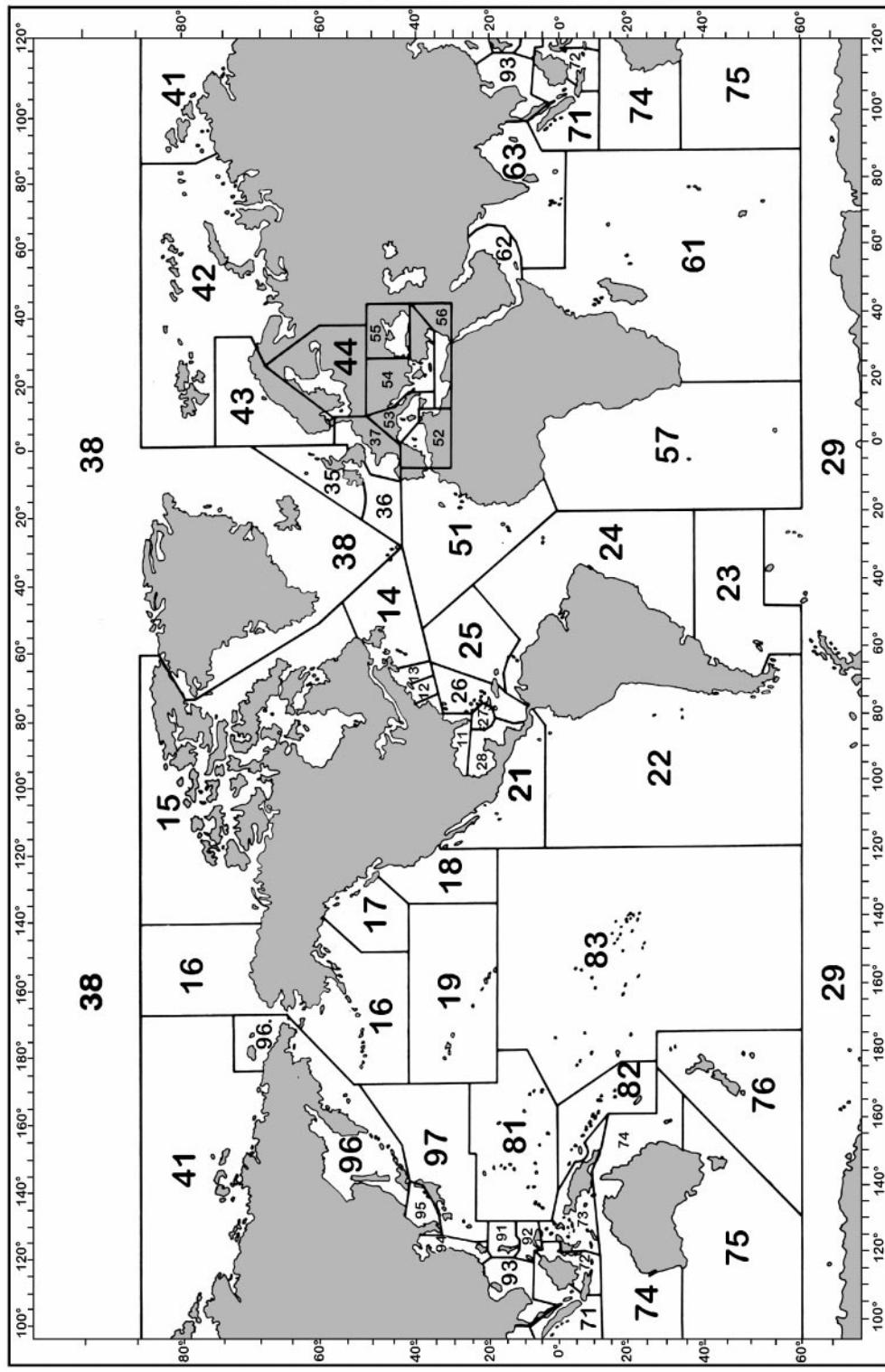
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**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL IMAGERY AND MAPPING AGENCY  
4600 SANGAMORE ROAD  
BETHESDA MD 20816-5003**



# GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

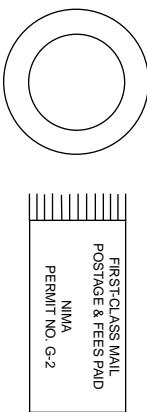
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY  
RICHMOND, VIRGINIA 23297-5338

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$500

FIRST CLASS



**IMPORTANT  
NAVIGATIONAL INFORMATION  
TIME-DATED**



**NOTICE TO  
MARINERS**

**PLEASE EXPEDITE DELIVERY**